

## WEST Search History

DATE: Friday, April 12, 2002

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
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*DB=USPT; PLUR=YES; OP=AND*

L17	L16 and arthur.in.	14	L17
L16	sands.in.	417	L16
L15	zambrowicz.in.	6	L15
L14	abuin.in.	1	L14
L13	L12 and glenn.in.	6	L13
L12	friedrich.in.	6503	L12
L11	wattler.in.	1	L11
L10	L9 and john.in.	22	L10
L9	scoville.in.	48	L9
L8	15 and 17	0	L8
L7	gregory.in.	14821	L7
L6	L5 and gregory.in.	0	L6
L5	donoho.in.	97	L5
L4	hilbun.in.	1	L4
L3	L2 and 11	11	L3
L2	alexander.in.	11250	L2
L1	turner.in.	2993	L1

END OF SEARCH HISTORY

GenCore version 4.5  
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OM nucleic - nucleic search, using sw model

Run on: April 11, 2002, 13:42:33 ; Search time 127.46 Seconds  
(without alignments)  
6972.381 Million cell updates/sec

Title: US-09-770-643a-1

Perfect score: 3924  
Sequence: 1 atggattcttaccacggct.....aacgggaatttcattctga 3924

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 11328999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0

Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued\_Patents\_NA: \*  
1: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq: \*  
2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq: \*  
3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq: \*  
4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq: \*  
5: /cgn2\_6/ptodata/1/ina/PCTUS\_COMB.seq: \*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	45.2	1.2	7218	1	US-08-232-463-14
2	41.4	1.1	3728	1	US-08-111-939-1
3	40.6	1.0	6909	2	US-08-804-196-1
4	40.6	1.0	6909	2	US-08-658-340-1
5	40.6	1.0	6909	1	US-08-746-111-26
6	38.4	1.0	7218	1	US-08-232-463-14
7	38.2	1.0	7032	4	US-09-324-867-1
8	37.8	1.0	1647	4	US-08-123-934A-7
9	37.8	1.0	1647	5	PCT-US94-10080-7
10	37.8	1.0	2160	4	US-09-382-256-15
11	37.8	1.0	2160	4	US-09-385-115-15
12	37.8	1.0	4826	4	US-09-192-983-3
13	37.4	1.0	3955	4	US-09-214-278-4
14	37.4	1.0	4315	3	US-08-882-046-3
15	37.4	1.0	4464	2	US-08-400-159-7
16	37.4	1.0	4483	3	US-08-611-729A-7
17	37.2	0.9	2333	4	US-09-382-256-7
18	37.2	0.9	2333	4	US-09-395-115-7
19	36.8	0.9	2097	3	US-08-941-445A-10
20	36.8	0.9	8460	1	US-08-469-005A-9
21	36.8	0.9	8519	4	US-09-261-907-1
22	36.2	0.9	3796	2	US-08-762-308-11
23	36.2	0.9	3813	2	US-08-650-000-3
24	36.2	0.9	3813	6	5395760-3
25	36	0.9	4919	4	US-08-456-200B-2
26	36	0.9	6585	3	US-08-746-111-4
27	35.8	0.9	7032	2	US-08-149-097D-24

28	35.8	0.9	7032	3	US-08-949-386-24	Sequence 24, Appl
29	35.8	0.9	7032	3	US-08-450-562-24	Sequence 24, Appl
30	35.8	0.9	7089	3	US-08-949-386-25	Sequence 25, Appl
31	35.8	0.9	7089	3	US-08-450-562-25	Sequence 25, Appl
32	35.6	0.9	386	6	5200327-1	Patent No. 5200327
33	35.6	0.9	392	1	US-08-318-193-1	Sequence 1, Appl
34	35.6	0.9	896	6	5200327-2	Patent No. 5200327
35	35.6	0.9	900	1	US-08-318-193-7	Sequence 7, Appl
36	35.6	0.9	905	6	5200327-3	Patent No. 5200327
37	35.6	0.9	909	1	US-08-318-193-9	Sequence 9, Appl
38	35.2	0.9	924	1	US-08-442-063A-49	Sequence 49, Appl
39	35.2	0.9	1002	1	US-08-442-063A-28	Sequence 28, Appl
40	35	0.9	948	4	US-09-475-316A-16	Sequence 16, Appl
41	35	0.9	2277	1	US-08-676-967-5	Sequence 5, Appl
42	35	0.9	2277	1	US-08-676-974-5	Sequence 5, Appl
43	35	0.9	2277	2	US-09-098-487-5	Sequence 5, Appl
44	35	0.9	4451	3	US-08-717-294-42	Sequence 42, Appl
45	34.8	0.9	978	4	US-09-385-028-18	Sequence 18, Appl

ALIGNMENTS

RESULT 1  
US-08-232-463-14  
; Sequence 14, Application US/08232463  
; Patent No. 5670367  
; GENERAL INFORMATION:  
; APPLICANT: DORNER, F.  
; APPLICANT: SCHEIFLINGER, F.  
; APPLICANT: FALKNER, F. G.  
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
; NUMBER OF SEQUENCES: 52  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Foley & Lardner  
; STREET: 1800 Diagonal Road, Suite 500  
; CITY: Alexandria  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22313-0299  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION NUMBER: US/08/232,463  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/935,313  
; FILING DATE:  
; APPLICATION NUMBER: EP 91 114 300.6  
; FILING DATE: 26-AUG-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: BENT, Stephen A.  
; REGISTRATION NUMBER: 29,768  
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703)836-9300  
; TELEFAX: (703)683-4109  
; TELEX: 899149  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7218 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; CLONE: ptz9pt-fls  
US-08-232-463-14

	Query Match	1.1%	Score 41.4;	DB 1;	Length 3728;
	Best Local Similarity	48.8%;	Pred. No. 0.098;		
	Matches 145;	Conservative 0;	Mismatches 146;	Indels 6;	Gaps 1;
QY	226	cagtggctccagatgagcactgggaaacagagtagattacacagcagtgggccacgcagggga	285		
Db	1365	CAGTGGATCGAGGTGGACCCCGAAGGACAACTCGGTTCAGGGCGTCATCACTCAGGGC	1424		
QY	286	agatacaggagc-----tctgactcgggtgacgaggttacagcctgatgttcagtgcacaca	339		
Db	1425	CGTCACTCCAGCATCCCATGACAGCTCGTACTACCTCTTTGTGGGCTTCAGCAATGAC	1484		
QY	340	ggacgacacgctggaaacagatccaaacagacacagacacgacatctagaacattctgacgaggaatga	399		

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1485 AGCCAGACCTCTGGGTCATGTACACCAATGGCTACGAGGAAATGACCTTCTTATGGAATGTG 1544
QY 400 aatgtctacagcgtgggtgcaccacaagaacttgcactcagtgagagcccgatttgcgc 459
Db 1545 GACAAGGACACACTGTGTGCTCAGGAGACTCCCTCAGCCAGTGTGTGGCCGTTTCATCCGC 1604
QY 460 ttgtgccccgtgaatggaaatccccagtggaagattggcatgagagtcgaggtctac 516
Db 1605 ATCTATCCACTACCTGGAACGGTAGCTGTGTCATGGCCTGGAGGTGCTAGGCTGC 1661

RESULT 3
US-08-804-196-1
: Sequence 1, Application US/08804196
: Patent No. 5874256
: GENERAL INFORMATION:
: APPLICANT: Bertina, Rogier
: APPLICANT: Reitsma, Pieter
: TITLE OF INVENTION: A method for diagnosing an increased
: TITLE OF INVENTION: risk for thrombosis or a genetic defect causing
: TITLE OF INVENTION: thrombosis and kit for use with the same.
: NUMBER OF SEQUENCES: 14
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Akzo No. 5874256el Patent Department
: STREET: 1300 Piccard Drive, Suite 206
: CITY: Rockville
: STATE: Maryland
: COUNTRY: USA
: ZIP: 20850
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/804,196
: FILING DATE:

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RESULT      5
US-08-746-111-26
; Sequence 26, Application US/08746111
; Patent No. 6066778
; GENERAL INFORMATION:
; APPLICANT: Ginsburg, David
; APPLICANT: Cui, Jisong
; TITLE OF INVENTION: Compositions And Methods For Screening
; TITLE OF INVENTION: Compounds For Anticoagulant Activity
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: US/08/746,111
; FILING DATE: 06-NOV-1996
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: UM-02536
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6909 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
US-08-746-111-26

Query Match          1.0%; Score 40.6; DB 3; Length 6909;
Best Local Similarity 49.8%; Pred. No. 0.24;
Matches 165; Conservative 0; Mismatches 154; Indels 12; Gaps 2;

QY 216 caatgctcaacagtggtccagatggacctgggaacacagagtagagattacagcagtggc 275
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 6441 CAACAATAAGCAGTGGCTAGAAATGTACTCAAGATCAAGAAGATAACGGCAATTAT 6500

QY 276 caccagagggaagatcacggaagctc-----tgactgggtgacaggttacagcctgatgt 329
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 6501 AACACAGGGTGCAGTCTGTCTCTCTGCTCTGAAATGTATGTAAGAGCTATACCATCCACTA 6560

QY 330 cagtgacacagggacgaactggaacagatgaaacaaagaaagacagcat-----ctggac 383
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 6561 CAGTGACAGGGAGTGGAAATGGAACCATACAGGCTGAAATCTCCATGTTGGGACAAAGAT 6620

QY 384 ctttcagggaacatgaatgctgacagcgtggtgcaccacacagctatgacatcagtgag 443
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 6621 TTTTGAAGGAATACTAATCAAGGACATGTGAGAACATTTTCAACCCCCCAATCAT 6680

QY 444 agccgatttggctgttggccctggaaatgccatcccgatgggaagattggcatgag 503
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 6681 TTCAGGTTTTCGTTGCTGTCATTCCTAAACATGGAATCAAAAGTATTACACITCGCCTGGA 6740

QY 504 agtcaggtctacggatggttcctataaatca 534
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 6741 ACTCTTGGCTGTGATATTTACTAGAATTGA 6771

RESULT 6
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
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; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZgpt-Fls
US-08-232-463-14

Query Match          1.0%; Score 38.4; DB 1; Length 7218;
Best Local Similarity 5.2%; Pred. No. 1.1;
Matches 21; Conservative 207; Mismatches 178; Indels 0; Gaps 0;

QY 258 agagattacagcagtgccacgcagcaggaagatacgaagctctgactgggtgacgagtta 317
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1455 AGAGATAGAGAAGATTGGTACRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1396

QY 318 cagctctgatttcagtgacacagcgcacactggaaacagatacaacaagaacagacat 377
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1395 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1336

QY 378 ctggaccttgcaggaacatgaatgctgacagcgtggtgcaccacaaagctattgcactc 437
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1335 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1276

QY 438 agtgagagcccgatttgcctgttggccctggaaatgccatcccgatgggaagattgg 497
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1275 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1216

QY 498 catgagatcgagctcagcagtgcttcataaaatcagacgcttgctgactttgatggcg 557
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1215 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1156

QY 558 aagctcactctgtacaggttcaatcagaagttgatgagtagtactctcaagatgtgatctc 617
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1155 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1096

QY 618 cctgaagtcaagcagtcaggaagatgggtcctgttccatgga 663
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1095 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1050

RESULT 7
US-09-324-867-1
; Sequence 1, Application US/09324867A
; Patent No. 6251632
; GENERAL INFORMATION:
; APPLICANT: Lillcrap, David
; APPLICANT: Cameron, Cherie
; APPLICANT: No. 6251632ley, Colleen
; APPLICANT: Horrocks, L. Suzanne Hoyle
; APPLICANT: Hough, Christine
; TITLE OF INVENTION: Canine Factor VIII Gene, Protein and Methods of Use
; FILE REFERENCE: 1669.0010002/JAG/BJD
; CURRENT APPLICATION NUMBER: US/09/324,867A
; CURRENT FILING DATE: 1999-06-03
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;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/395,115  
;; FILING DATE:  
;; CLASSIFICATION:  
;; APPLICATION NUMBER: US/08/436,265  
;; FILING DATE: 30-October-1995  
;; APPLICATION NUMBER: PCT/GB93/02367  
;; FILING DATE: 17-No. 6271365ember-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 9224057.1  
;; FILING DATE: 17-No. 6271365ember-1992  
;; APPLICATION NUMBER: 9304677.9  
;; FILING DATE: 8-March-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 9304680.3  
;; FILING DATE: 8-March-1993  
;; APPLICATION NUMBER: 9311047.6  
;; FILING DATE: 28-May-1993  
;; APPLICATION NUMBER: 9313763.6  
;; FILING DATE: 2-July-1993  
;; APPLICATION NUMBER: 9136099.2  
;; FILING DATE: 3-August-1993  
;; PRIOR APPLICATION DATA: 9321344.5  
;; FILING DATE: 15-October-1993  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Kohlei, Vineet  
;; REGISTRATION NUMBER: 37,003  
;; REFERENCE/DOCKET NUMBER: LUD 5298  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 688-9200  
;; TELEFAX: (212) 838-3884  
;; INFORMATION FOR SEQ ID NO: 15:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 2160 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: unknown  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
;; HYPOTHETICAL: NO  
;; ANTI-SENSE: NO  
;; FRAGMENT TYPE: Internal  
;; ORIGINAL SOURCE:  
;; ORGANISM: Mouse  
;; FEATURE:  
;; NAME/KEY: CDS  
;; LOCATION: 10..1524  
US-09-395-115-15

Query Match 1.0%; Score 37.8; DB 4; Length 2160;  
Best Local Similarity 57.0%; Pred. No. 0.8;  
Matches 69; Conservative 0; Mismatches 52; Indels 0; Gaps 0;  
Qy 3722 tcggagggtgtagcagtggtgatctatcatctctctctatcatcgccatcatgacc 3781  
Db 389 TGGTCGGCATCATCGCGGCGCCGCTCTCTCTCTCTATCATCTATCATCTCTCTCC 448  
Qy 3782 ggtctctaccgacgaacagcagtcacatcgtagccagatgaaggagagaatc 3841  
Db 449 TGCTCATCAACTATCACCGCGTCTTACCATACCCCGAGAGTTGACATGAGGACC 508  
Qy 3842 c 3842  
Db 509 c 509  
RESULT 12

US-09-192-983-3  
;; Sequence 3, Application US/09192983A  
;; Patent No. 6242244  
;; GENERAL INFORMATION:  
;; APPLICANT: Donohue, Timothy  
;; APPLICANT: Barber, Robert  
;; APPLICANT: Witthuhn, Vernon  
;; TITLE OF INVENTION: Microbial System for Formaldehyde Sensing and  
;; TITLE OF INVENTION: Remediation  
;; FILE REFERENCE: 960296, 95505  
;; CURRENT APPLICATION NUMBER: US/09/192,983A  
;; CURRENT FILING DATE: 1998-11-16  
;; EARLIER APPLICATION NUMBER: 08/919,953  
;; EARLIER FILING DATE: 1997-08-29  
;; EARLIER APPLICATION NUMBER: 08/608,241  
;; EARLIER FILING DATE: 1996-02-28  
;; NUMBER OF SEQ ID NOS: 7  
;; SOFTWARE: Patentin Ver. 2.1  
;; SEQ ID NO 3  
;; LENGTH: 4826  
;; TYPE: DNA  
;; ORGANISM: Rhodobacter sphaeroides  
;; FEATURE:  
;; NAME/KEY: CDS  
;; LOCATION: (215)..(895)  
;; FEATURE:  
;; NAME/KEY: CDS  
;; LOCATION: (993)..(2165)  
;; FEATURE:  
;; NAME/KEY: CDS  
;; LOCATION: (2236)..(4437)  
US-09-192-983-3

Query Match 1.0%; Score 37.8; DB 4; Length 4826;  
Best Local Similarity 48.8%; Pred. No. 1.3;  
Matches 102; Conservative 0; Mismatches 107; Indels 0; Gaps 0;  
Qy 1982 gcataagaacagctggagccgtgatcgacgctctgagcacgtgagcagggaggtggcct 2041  
Db 3785 gcattggtcgctggaggtctctggacacccggccggggtatcccgaggcagatcaggagg 3944  
Qy 2042 accactgcaggaggtcccgctctcaacacgcgcggtatggaacacatttaccctgtgga 2101  
Db 3845. ccatttcaaggagttccacgcggtcgacgcgcgcgcctcaccgccgagggcagtgaggc 3904  
Qy 2102 ttgggctgccaatgaaggccaccttactggggaggttccctctctggtccagcagt 2161  
Db 3905 tgggctcgccatcgctcgacgcgcgcctgctggtggtccatccgctggggtccgat 3964  
Qy 2162 gtgagtggtgctagacgagagtgctcctg 2190  
Db 3965 ccgagatcggtggcggggcaactgtcttcag 3993

RESULT 13  
US-09-214-278-4  
;; Sequence 4, Application US/09214278  
;; Patent No. 6291210  
;; GENERAL INFORMATION:  
;; APPLICANT: Sakano, Sei-ji  
;; APPLICANT: Itoh, Akira  
;; TITLE OF INVENTION: DIFFERENTIATION-SUPPRESSIVE POLYPEPTIDE  
;; FILE REFERENCE: KP-8576  
;; CURRENT APPLICATION NUMBER: US/09/214,278  
;; CURRENT FILING DATE: 1999-01-26  
;; NUMBER OF SEQ ID NOS: 32  
;; SOFTWARE: Patentin Ver. 2.1  
;; SEQ ID NO 4  
;; LENGTH: 3955  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
;; FEATURE:



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; NAME/KEY: CDS
; LOCATION: (12)..(3725)
; NAME/KEY: sig_peptide
; LOCATION: (12)..(89)
; NAME/KEY: mat_peptide
; LOCATION: (90)..(3725)
US-09-214-278-4

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Query Match      1.0%; Score 37.4; DB 4; Length 3955;
Best Local Similarity 55.9%; Pred. No. 1.5;
Matches 71; Conservative 0; Mismatches 56; Indels 0; Gaps 0;
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[illegible]

Qy	1698	gactacctcttatgttaactgcagtgacacaaagttaactactggtgccactgccaactc	1757
Db	2321	ggcctcccttcccgatctccggacacqgctqqgaaggctctacttgcaactacaatac	2380

Qy	1758	catctac	1764
Db	2381	caacgac	2387

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RESULT      14
US-08-882-046-3
; Sequence 3, Application US/08882046
; Patent No. 6136952
; GENERAL INFORMATION:
; APPLICANT: Li, Linheng
; APPLICANT: Hood, Leroy
; APPLICANT: Krantz, Ian D.
; APPLICANT: Spinner, Nancy B.
; TITLE OF INVENTION: Human Jagged Polypeptide, Encoding
; TITLE OF INVENTION: Nucleic Acids and Methods of Use
; NUMBER OF SEQUENCES: 110
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
;

```

ZIP: 92122  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/882,046  
FILING DATE: 25-JUN-1997

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CLASSIFICATION: 330
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-UW 2637
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 4315 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

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; ; NAME/KEY: CDS
; ; LOCATION: 16.,3460
US-08-883-046-3

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Query Match      1.0%; Score 37.4; DB 2; Length 4464;
Best Local Similarity 55.9%; Pred. No. 1.6;
Matches 71; Conservative 0; Mismatches 56; Indels 0; Caps
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Qy 1638 catcaagacagdtgttgcgcaactactgtgaacatggaggaagctgctcccagtcctg 1697



GenCore version 4.5  
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: April 11, 2002, 13:43:08 ; Search time 226.83 Seconds  
(without alignments)  
129.665 Million cell updates/sec

Title: US-09-770-643A-2

Perfect score: 6962

Sequence: 1 MDSLPLRLTSVLTLLFSLGLWH.....FRNEIDLQNTVSECKREYFI 1307

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

- Database : Issued\_Patents\_AA:\*
- 1: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep.\*
  - 2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep.\*
  - 3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep.\*
  - 4: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep.\*
  - 5: /cgn2\_6/ptodata/1/iaa/PTUS\_COMB.pep.\*
  - 6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	360.5	5.2	1940	2	US-08-644-271-30
2	321.5	4.6	1130	6	5444158-2
3	320.5	4.6	1130	2	US-08-460-309-2
4	320.5	4.6	1130	2	US-08-125-077-2
5	320.5	4.6	3111	2	US-08-460-309-4
6	320.5	4.6	3111	2	US-08-125-077-4
7	294	4.2	3075	2	US-08-460-309-5
8	294	4.2	3075	2	US-08-125-077-5
9	253	3.6	1713	3	US-08-600-982-24
10	253	3.6	1713	5	PCR-US94-10261A-24
11	248	3.6	1525	3	US-09-191-647-2
12	248	3.6	1525	4	US-09-540-245A-2
13	248	3.6	1525	4	US-09-540-153-2
14	235.5	3.4	492	2	US-08-644-271-32
15	233.5	3.4	771	4	US-09-188-930-183
16	220	3.2	734	4	US-08-706-216-2
17	212.5	3.1	1128	1	US-08-111-939-2
18	206	3.0	2183	3	US-08-746-111-5
19	198	2.8	463	2	US-08-162-402B-9
20	198	2.8	909	3	US-08-936-135-8
21	196.5	2.8	914	3	US-08-936-135-12
22	195.5	2.8	901	3	US-08-936-135-22
23	195.5	2.8	906	3	US-08-936-135-24
24	195.5	2.8	909	3	US-08-936-135-10
25	195.5	2.8	926	3	US-08-936-135-14
26	195.5	2.8	931	3	US-08-936-135-16
27	194.5	2.8	159	2	US-08-162-402B-12

28	194.5	2.8	217	1	US-07-607-538C-3	Sequence 3, Appli
29	194.5	2.8	217	2	US-08-162-402B-3	Sequence 3, Appli
30	194.5	2.8	218	1	US-07-607-538C-2	Sequence 2, Appli
31	194.5	2.8	218	2	US-08-162-402B-2	Sequence 2, Appli
32	194.5	2.8	387	2	US-08-162-402B-6	Sequence 6, Appli
33	194.5	2.8	465	2	US-08-162-402B-8	Sequence 8, Appli
34	194	2.8	109	1	US-08-111-939-19	Sequence 19, Appli
35	194	2.8	157	2	US-08-162-402B-13	Sequence 13, Appli
36	194	2.8	320	2	US-08-480-229C-20	Sequence 20, Appli
37	194	2.8	320	2	US-08-659-235C-20	Sequence 20, Appli
38	192	2.8	109	1	US-08-111-939-25	Sequence 25, Appli
39	191.5	2.8	1480	3	US-09-191-647-7	Sequence 7, Appli
40	191.5	2.8	1480	4	US-09-540-245A-7	Sequence 7, Appli
41	191.5	2.8	1480	4	US-09-540-153-7	Sequence 7, Appli
42	191.5	2.8	1480	5	PCT-US91-09055-2	Sequence 2, Appli
43	191.5	2.8	2343	4	US-09-324-867-2	Sequence 2, Appli
44	191	2.7	1443	2	US-08-670-707A-39	Sequence 39, Appli
45	191	2.7	1443	4	US-09-037-601-39	Sequence 39, Appli

ALIGNMENTS

RESULT 1  
US-08-644-271-30  
; Sequence 30, Application US/08644271  
; Patent No. 5814478  
; GENERAL INFORMATION:  
; APPLICANT: Valenzuela, et al.  
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS  
; TITLE OF INVENTION: AND LIGANDS  
; NUMBER OF SEQUENCES: 32  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.  
; STREET: 777 Old Saw Mill Road  
; CITY: Tarrytown  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10591  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEQ Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/644,271  
; FILING DATE: 10-MAY-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: USSN 60/008,657  
; FILING DATE: 15-DEC-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Cobert, Robert J  
; REGISTRATION NUMBER: 36,108  
; REFERENCE/DOCKET NUMBER: REG 195A  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 914-345-7400  
; TELEFAX: 914-345-7721  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 30:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1940 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; FEATURE:  
; NAME/KEY: Rat Agrin  
; LOCATION: 1...1940  
; OTHER INFORMATION:  
US-08-644-271-30

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Query Match      5.2%; Score 360.5; DB 2; Length 1940;
Best Local Similarity 21.6%; Pred. No. 2.9e-23;
Matches 190; Conservative 115; Mismatches 306; Indels 269; Gaps 41;

QY 359 FSCS-----EPQIVPITFVNSSGYLLPPTQIDGLSVSFQFRTWKNKGILL 405
Db 1244 FTCCTAGRGGSVCVKVQPPSMP---AFKGSFLAFPTLRAYHTLRLALEFRALETEGLL 1300
QY 406 LSTELSGSGTLLLSLGGILRLVIQKWTVAEILLTC-SNLNDGLWHSVSNARRNIT 464
Db 1301 LYNAGARGKDFLALLLDG--RVQFREDTGGSPAVLTSLVPVPEGRWHRLELSRHRQGT 1358
QY 465 LTLDEA-----APPAPDSTWVQIYSGNSYVFGGCPDN---LTDSCQLNPICAFQGCNR 515
Db 1359 LSVDEGPVVGESGTDG----LNLDTNLVVGPIPEQVAMVLDRTSVG--VGLUGGIR 1412
QY 516 LIFIDNPKDL-----ISVQOGLSGNFDLHDLCSIKDRCLPNYCEHGGSCSQSWTT-- 568
Db 1413 MLDINNQOLESNDQRAAVSSGVGECGD-----HPCLPNPC-HGGALCQALEAGM 1462
QY 569 FYNCSDTSYTGATCHNSIYEQSCVYRHQNTAGFFYIDSDGGPLGPLQVYCNITDK 628
Db 1463 FLCQPPGRF-GPTC-----ADEKSPCQP----- 1485
QY 629 IWTSVQHNTLTVRGANPEKPYAMALDYGSMEOLEAVIDGSEHCEQEVAYHCRSRL 688
Db 1486 -----NP-----CHGAAPC-----RV 1496
QY 689 LNPDTGPTFWIGRNERHPYWGSPGVQOCCEGLDCLDIQHFCNCDADKDEWIND 748
Db 1497 LSS-----GGA-----KCECPLGRS-----GTFC----- 1515
QY 749 TGLSFKDHLPLVPTQIVTDTDRNSEAAWRIGPLRCYGDRRP---WNVASYTEASYLHF 805
Db 1516 -----QTV-----LETAGSRPLADFNFGFS-YLELKGHL- 1543
QY 806 PTHAEFSAD--ISFEKTTALSQVLEN---LGIKDFIRLEISSPSEITFAIDVGNCP 859
Db 1544 -TFERDLGEMKALEMVFELARGPSGLLLYNGOKTDGKGDVFSALHN-RHLEFCYDLGRGA 1601
QY 860 VELVQPSLLNDQWVYVRAERLKTSLQVDNLPSTRETSEB---GHRFRLQNSOLF 916
Db 1602 A--VIRSEKPIALGTWVFLERNGRKGALQVGDGPRVLGSPKSRKVPHTMLNKEPLY 1659
QY 917 VGTSSRQK-----GFLGCTIRSLHLNGKMDLEERAKVTSGVRPGCPCHCS-SYGS 966
Db 1660 IGGAPDFSKLARGAASVSGFVQLVSLRGHQLLTQEHVLRVADVSPFADHPCTQALGN 1719
QY 967 ICHNGKCKVEKHNGYLCDCNTSPYEGPFCKEV-----SAVFEAGTSVYTFQEPY 1017
Db 1720 PCLNGGSCVPREATYECPCPG-FSGLHCEKGLVEKSVGDLTETAFDGRTYEYL----- 1773
QY 1018 PVTKNISLSSAIYDTSAPSKENTALSFVTTQAPSLLLFINSSQO--DFVVVLLCKNGSL 1075
Db 1774 -----NAVTESEKALASNHFELSRLTATQGLWLGKAAERADYMALAIV-DGHL 1823
QY 1076 QVRYHLNKEETHFTIDADFANRMRHLKINREGRELTIQMDQQLRLSYNFSF--EVEF 1133
Db 1824 QLSYDLGSPVPLRSTVKVN--TNRLRLIRAHREHREGSLQVGNFAPVT-CSSPLGATQL 1880
QY 1134 RVTRSLTLGKVTENGLDSEVAKANAGFAGCMSSVQYNH 1173
Db 1881 DTDGALWLGGL-OKLPVQALPRAYGTGFVGCCLRDVVVGH 1919
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## RESULT 2

5444158-2

; Patent No. 5444158

; APPLICANT: ENGVALL, EVA; SANES, JOSHUA

; TITLE OF INVENTION: MEIOSIN, NUCLEIC ACIDS ENCODING,

; FRAGMENTS AND USES THEREOF

; NUMBER OF SEQUENCES: 4

; CURRENT APPLICATION DATA:

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APPLICATION NUMBER: US/08/87,642
FILING DATE: 08-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 587,689
FILING DATE: 24-SEP-1990
APPLICATION NUMBER: 472,319
FILING DATE: 30-JAN-1990
; SEQ ID NO:2;
; LENGTH: 1130
5444158-2

Query Match      4.6%; Score 321.5; DB 6; Length 1130;
Best Local Similarity 20.0%; Pred. No. 4.3e-20;
Matches 221; Conservative 153; Mismatches 389; Indels 343; Gaps 49;

QY 205 ISLKFKSGDGVLFH-GEQQRGDHITLLOKRGALHLNLGSKARLSSSLPSATLGLSL 263
Db 190 IVNVKTAVDNLLFLYLSAKFIDFLAEMRGKYSFLWDVGVGVRV--EYDPLT--- 243
QY 264 LDQHHXVYLIERVQKQNVNFTVD-----KHTQHFRTKGETDALDIDYE--LSFGG 311
Db 244 IDDSYWRIVASRTGRNGTISVRALDGPKASIVPSTHSTSPGYTILDDVANAMLFVGG 303
QY 312 IPVCPKPGTFLKK-----NFHGCENLYYNGVNIILAKRRKHQIIVYGNVTFSCSEP 364
Db 304 L--TGK---LKKADAVRVTFTGCMGETYFDNKPGLWNFREKE-----GCKGCTVSP 352
QY 365 QIVPITFVNSSGYLLPPTQIDG-----LSVSFQFRTWKNKGILL--- 405
Db 353 QVED-----SEGTIQFDEGVALVSRPIRWPNISTVMFKFTFSSSALLMWL 400
QY 406 -----LSTELSGSGTLLLSLGGILRLVIQKWTVAEILLTCNSLNDGLWHSVSN 457
Db 401 ATRDLRDFMSVELTDGHIKVSVDLGG-----MASVWSNQNHNDGKWKSFSL 448
QY 458 ARNRITLTL-----DDEAAPAPDSTWVQIYSGNSYVFGGCPDNLTDSQCLNP--- 506
Db 449 RIQKOANISIVDIDTQNEENIATSSGNNGFGLDLKADDKIYFEGGLPTLNLNLSMARPEVN 508
QY 507 IKAFCGCMRLIFIDNPQDLISVQOGLSGNFDLHDLCSIKDRCLPNYCEHGGSCSQSW 566
Db 509 LKYSGLCKLDIEISPTYNIL----- 529
QY 567 TTFYCNCSDTSYTGATCHNSIYEQSCVYRHQNTAGFFYIDSDGGPLGPLQVYCNITE 626
Db 530 -----SSPDYVGTKECSLE---NVY-----IVSF---PKPGFVLSPPVDPV-TE 569
QY 627 DKINTSVQHNTLTVRGANPEK-----YAMALDYG-----GSMEQLBA 567
Db 570 INLSPFTKNESGIILLGSGTTPAPPRKRRTQGVYVILLNRGRLEHVLSTGARTMRKI 629
QY 668 VI-----DGSEHCEQEVAYHCRSRLNLTPTDGTPTTWIGRNERHP-----YNGG 713
Db 630 VIRPEPNLFHDGHEH-----SVHVERTGIFTVQVDENRRYMNLTVEQPIBVKKLFVGG 684
QY 714 SPVGQQC---ECGLDESL-----DIOHFCNCADADKDEWINDT 749
Db 685 APPPEQPSPLRNIPFEGCIWNLVINSVPMDFARPVSFKNADIGRCAHQKLEDE----- 739
QY 750 GFLSKFDHLPLVPTQIVI-----TDTD-----RSNSEAAWRIGPLRCYGDRRFW 791
Db 740 -----DCAAPAEIIVQPEPVPTPAFTPTPVLTHGPCAASEPALLIGSKQFGLSRNSH 793
QY 792 NAVSFYTEASYLHPTFHAEPFASDISFFKTTALSGV--FLENLGIKIFIRLEISPSSEI 849
Db 794 IAIAP-DDTKVKNRLTIELE-----VRTEAESGLLFYMARINHADFATVQLRNGPLP 844
QY 850 TFAIDVGNPGVELVQSPSLNDQWVYVRAERLKTSLQVDNLPSTRETSEHGFRL 909
Db 845 -FSYDLGSGDTHMTI--PTKINDGQWKKIKIMRSKQEGILYVDG--ASNRTISPKKADIL 899
QY 910 QLNSOLFVGGT-----SSRQKGF-----GCIIRSLHLNGKMDLEERAKVTSGVRPGCPGH 960
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Db 900 DVVGMVYVGGVLPINYYTTRRIGPVYTSIDGCVRNLMHMAEPADLEQPT----- 946  
Qy 961 CSSVGSCHNGGKCKVEKHNGVLCDTNSPYEGPFCKKEVSAAV--FEAGTSVYTMFOEPYP 1018  
Db 947 -SSF-----HVGTCFANAQRGTGYFDGTG-----FAK-----AVGGFKVGLDLULVEFEFRPTT 991  
Qy 1019 VTKNISLSAIVTDSAPSRENIALSFVTTQAPSLLLIFINSSQDFVVVLLCKNGSLQVR 1078  
Db 992 TTTGVLLGI-----SSQKMDGMIEMIDEK---LMFHVNDGAGRTAVY-----DAGVP 1037  
Qy 1079 YHLNKEETHVFTTDADNANRMMHLKINREGRELTQMDQQLRLS----- 1124  
Db 1038 GHLCDGOWHKVTT-----ANKIKHRIELTVDGNOVEAQSPNASTSADTNDPVEVGGPPD 1091  
Qy 1125 -----YFNSPEVER-VIRSLTLGKVT 1145  
Db 1092 DLKQFGLTTSIPFGCIRSLKLTGKT 1117

## RESULT 3

US-08-460-309-2  
; Sequence 2, Application US/08460309  
; Patent No. 5837496  
; GENERAL INFORMATION:  
; APPLICANT: Engvall, Eva  
; APPLICANT: Leivo, Ilmo  
; TITLE OF INVENTION: Nucleic Acids Encoding Merosin, Merosin  
; TITLE OF INVENTION: Fragments and Uses Thereof  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Campbell and Flores  
; STREET: 4370 La Jolla Village Drive, Suite 700  
; CITY: San Diego  
; STATE: California  
; COUNTRY: USA  
; ZIP: 92122  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/460,309  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/125,077  
; FILING DATE: 22-SEP-1993  
; APPLICATION NUMBER: US PCT/US 94/10730  
; FILING DATE: 21-SEP-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/472,319  
; FILING DATE: 30-JAN-1990  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/919,951  
; FILING DATE: 27-JUL-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Campbell, Cathryn A.  
; REGISTRATION NUMBER: 31,815  
; REFERENCE/DOCKET NUMBER: P-LA 9721  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (619) 535-9001  
; TELEFAX: (619) 535-8949  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1130 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein

US-08-460-309-2

Query Match 4.6%; Score 320.5; DB 2; Length 1130;  
Best Local Similarity 20.1%; Pred. No. 5.3e-20;  
Matches 224; Conservative 150; Mismatches 378; Indels 365; Gaps 49;  
Qy 205 ISLKFKSQGQDGLPH-GEQQRGDHITLQKGRALHNLGDSKARLSLSSPSATLGS 263  
Db 190 IVVYKTAADVADNLLPYLSAKFIDFLAEMRKGKVSFLWMDVGVGGRV--EYPDLT--- 243  
Qy 264 LDDQHWXVLIERVQKQVNFVTD-----KHTQHFRTKGETDALDIDYE--LSFGG 311  
Db 244 IDDSWYRIVASRTGANGTISVRALDGPASIVPSTHHSTSPPGYITLDVANMLFVGG 303  
Qy 312 IPVPGKPTFLKK-----NEFGCIENLYNGVNIIXLAKRRKHQIYTVGVNFTSCSEP 364  
Db 304 L--TCK---LAKADAVRVTITGCMGEYTFDNKPIGLWFRKE-----GDCKGCTVSP 352  
Qy 365 QIVPITFVNSGSYLLLPQTPOIDG-----LSVSPQFTWKNKGGL--- 405  
Db 353 QVED-----SECTIQDGEYALVSRPIRWYPNISTVMFKFRTFSSALLMYL 400  
Qy 406 -----LSTELSESGTLLLSLEGGILRLVIOKMTVERVAELTGSNLDGLHWSVIN 457  
Db 401 ATRDLRDFMSVELTDGHIKVSVDLGG-----MASVVSQNNDGKWKSTLS 448  
Qy 458 ARNRITLTL-----DDEAAPAPADSTWQIYSGNSYFYGGCPDNLTDSQLNP--- 506  
Db 449 RIQKOANISIVDITDNOENIATSSGNNFGDLKADKIYFGGLPTLNLMSKARPEVN 508  
Qy 507 IKAFOGCMRLIFIDNQP-----KDLISVQOQSLGNSFDLHDLCSIKORCLPNYCEHGG 560  
Db 509 LKYSGLCKLDIEISRTPVNLSPPDYGVYTKG-----CSLENVYTVSFPKPG- 555  
Qy 561 SCQSQWTFYCNCSDTSYTGATCHNSIYEQSCVEYRHQNTAGFFVIDSDGSGPLQLQV 620  
Db 556 -----FVLSVPVIDVGTEINLSFTK-----NESCIILLGSGGT-PAPP--- 594  
Qy 621 YCNITDKIWTSVQHNNTLTVRGANPKPYAMALDYG-----GSMEOLEAVI--- 669  
Db 595 -----RRKRQTGAYVYVILLNRGRLEVLHSTGARTMKRVIKRE 634  
Qy 670 -----DGSEHCQEVAYHCRRLNLTDPGTFTWIGRSNERHP-----YWGSGPPGV 718  
Db 635 PNLFDHGREH-----SVHVERTGRTGVODENRRYMQNLTVQEPTEVKKLFVGGAPPEF 689  
Qy 719 QQC-----ECGLDESCL-----DIQHFNCDDADKDEWNTDTFLSF 754  
Db 690 QPSPLRNIPPFEGCIWNLVNSVPMDFARPVSFKNADICGCAHQKUREDE----- 739  
Qy 755 KDHLPVTOIVI-----TDTD-----RSNSEAAWRIGPLRCYGDRRFMNAVSF 796  
Db 740 -DGAAPAEIVIOPEVPVTPAFTPTPLVTHGPCAAESEFALLIGSKQGLSRNSHTAIF 798  
Qy 797 YTEASYLHPTTHAEFSADISFFFTTALSGV--FLENIGIKDFIRLEITSSSEIFTAID 854  
Db 799 -DDTKVKNRLTLE-----VRTEAESGLLFYMAAINHADFATVQLRNLGPLY-FSYD 848  
Qy 855 YVNGPVELVQSPSLLDNQWHYVRAERNLKETSLQVDNLPSTRTSTSEGHFLQLNSQ 914  
Db 849 LSGDTHMTI---PTKINDGQWHKIKIMRSKQEGILYVDG--ASNRTISPKKADILDVVMG 904  
Qy 915 LPVGGT-----SSRQKGF-----GCIRSLHLNGKQKMDLEERAKVTSGVRPGCPGCHSSYV 965  
Db 905 LYVGGLPINYYTTRRIGPVYTSIDGCVRNLMHMAEPADLEQPT-----SSF- 949  
Qy 966 STCHNGGKCKVEKHNGVLCDTNSPYEGPFCKKEVSAAV--FEAGTSVYTMFOEPYPVTKNI 1023  
Db 950 ---HVGTCFANAQRGTGYFDGTG-----FAK-----AVGGFKVGLDLULVEFE 987  
Qy 1024 SLSSSAIYTDAPSRENIALSFVTTQAPSLLLIFINSSQDFV-----VULLCKNGS- 1074  
Db 988 -----FATTTTGVLLGISQKMDGMIEMIDEKLMFHVNDGAG 1026  
Qy 1075 -----LQVRVHLNKEETHVFTTDADNANRMMHLKINREGRELTQMDQQLRLS--- 1124

Db 1027 RFTAVYDAGVPHCLDQGWKHVT-----ANKIKHRIELTVGDNQVEAQSPNPASTSADT 1080

QY 1125 -----YNSPEVEFR-VIRSLTLGKVT 1145

Db 1081 NDPVEVGGPPDLKQFGLTTSIPFRGCIIRSLKLTGKT 1117

RESULT 4

US-08-125-077-2

; Sequence 2, Application US/08125077

; Patent No. 5872231

; Patent No. 5872231 5840863

; GENERAL INFORMATION:

; APPLICANT: Engvall, Eva

; APPLICANT: Leivo, Ilmo

; TITLE OF INVENTION: Nucleic Acids Encoding Merosin, Merosin

; TITLE OF INVENTION: Fragments and Uses Thereof

; NUMBER OF SEQUENCES: 23

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Campbell and Flores

; STREET: 4370 La Jolla Village Drive, Suite 700

; CITY: San Diego

; STATE: California

; COUNTRY: USA

; ZIP: 92122

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/125,077

; FILING DATE: 22-SEP-1993

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US PCT/US 94/10730

; FILING DATE: 21-SEP-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/472,319

; FILING DATE: 30-JAN-1990

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/919,951

; FILING DATE: 27-JUL-1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Campbell, Cathryn A.

; REGISTRATION NUMBER: 31,815

; REFERENCE/DOCKET NUMBER: P-LA 9721

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (619) 535-9001

; TELEFAX: (619) 535-8949

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1130 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-125-077-2

Query Match 4.68; Score 320.5; DB 2; Length 1130;

Best Local Similarity 20.18; Pred. No. 5.3e-20;

Matches 224; Conservative 150; Mismatches 378; Indels 365; Gaps 49;

QY 205 ISLAFKSMOQDGLVLFH-CEGQRGHITLQKRLALHLNLDGSKARLSLPSATLQSL 263

Db 190 IVNVKTAADNLLFYLGSAKFDLFAEMRKGVSVFLWDVGSVGRV--EYPDLT---- 243

QY 264 LDOQHWHXVLIIRGVQVNFVTD-----KHTQHFRTKGETDALDIDYE--LSFGG 311

Db 244 IDDSYWYRIVASRTGRNGTISVRALDGPKASIVSTHSTSPPGYTILDVDANAMLFVGG 303

QY 312 IPVPGKGTFLUK-----NFHGCIENLYNGVNIILAKRRKHQIYTVGNVTFSCSEP 364

Db 304 L--TGR-----LKKADAVRVITFTGCMGETYFDNKPICLWNRKE-----GDCKGCTVSP 352

QY 365 QIVPITFVNSSGYSLLPGTPQIDG-----LSVSQFQRTWNKDGLL--- 405

Db 353 QVED-----SEGTIQFDGEGYALVSRPIRWYPNISTVMKFKRTFSSALLMYL 400

QY 406 -----LSTELSESGTLLLSLEGGILRLVIOKQTERVAEILTGSNLDGLWHVSIN 457

Db 401 ATRDLRDFMSVELTDGHIKVSYDLGSG-----MASVVSQNHNDGKWKSTLS 448

QY 458 ARNRITLTL-----DDEAAPAPDSTWVOIYSGNSYFGGCPDNLDSQCLNP--- 506

Db 449 RIQKQANISIVDITNQEENIATSSGNNFGLDKADDKIYFGGLPTLRNLNWKAREPVN 508

QY 507 IKAFQGCMLRIFIDNOP-----KDLISVQOQSLGNFSDLHLDLCSIKDKCLPNYCEHGG 560

Db 509 LKYSGLCKLDIEISRTPYNLSPPDYGVTKG-----CSLENYTVYTFPKPG- 555

QY 561 SCQSQWTTFYCNCSDTSYTGATCHNSIYEOSCEVYRHQGNAGFFYIDSGSGPLGLQV 620

Db 556 -----FVELSPVPIDVGTEINLSFTK-----NESGILLGSGGT-PAPP--- 594

QY 621 YCNITEDKIWTSVQHNNTELTVRGANPEKPYAMALDYG-----GSMEQLEAVI--- 669

Db 595 -----RRKRROTQAYVYVILLNRGRLEVHLSTGARTMKRIVIRPE 634

QY 670 -----DGSEHCEQEVAYHCRSRLLNTPDGTPTWTWTSRNERHP-----YMGSGPPGV 718

Db 635 PNLFDGREGH-----SVHVERTGRIITVQVDENRRYQNLTVQPIEVKKLFLVGGAPPEF 689

QY 719 QQC-----ECGLDESCL-----DIHQFCNCDADKDWNTDGTFLSF 754

Db 690 QPSPLRNIPPFEGCIWNLVINSVPMDFARVPSEFNADIGRCAHQKLEDE----- 739

QY 755 KOHLPTQIVI-----TDTD-----RSNSEAAWRIGPLRCYGDREFFWNAVSVF 796

Db 740 -DGAAPAEIIOPEVPVTPAFPTPTVLTGHPCAAESEFALLIGSKQFGLSRNSHTAIAF 798

QY 797 YTEASYLHFTTHAEFSADISFFKTTALSGV--FLENIGIKDFIRLEISSPSEITFAID 854

Db 799 -DDTKVKNRLTIELE-----VRTEAESGLLFYMAAINHADFATVQLNGLPY-FSYD 848

QY 855 VGNPVELVQPSLLNDQWHYVRAERNLKETSLOVDNLPRSTRETSEEGHFRQLNSQ 914

Db 849 LGSQDHTMI--PTKINDGQWHKIKIMRSKQEGILYVDG--ASNRTISPKKADILDVGM 904

QY 915 LFWGGT-----SSRQKGL-----GCTIRSLHNGQKMDLEERAKVTSGVRPGCHGCSY 965

Db 905 LYVGLPLINYYTRRIGPVTVYSIDGCVRNLMHAEAPADLEQPT-----SSF- 949

QY 966 SICHNGKCKVEKHNGVLCDCNTNSPYBPGCKKEVSAV--FEAGTSVYTMFOEPPYTKNI 1023

Db 950 ---HVGTCFANAQRGYFDGTG-----FAK-----AVGGFKVGLDLULVEFE----- 987

QY 1024 SLSSAIYTDAPSKENIALSFVTTQAPSLLLFINSSODFV-----VVLCKNGS- 1074

Db 988 -----FATITTTGVLGSISSQKMDGMIEMIDEKLMFHDVNGAG 1026

QY 1075 -----LOVRYHLNKEETHVFTIDADNANRMRHMLKINREGRELTIOMDQOLRLS--- 1124

Db 1027 RFTAVYDAGVPHCLDQGWKHVT-----ANKIKHRIELTVGDNQVEAQSPNPASTSADT 1080

QY 1125 -----YNSPEVEFR-VIRSLTLGKVT 1145

Db 1081 NDPVEVGGPPDLKQFGLTTSIPFRGCIIRSLKLTGKT 1117

RESULT 5

US-08-460-309-4

; Sequence 4, Application US/08460309

; Patent No. 5837496

; GENERAL INFORMATION:

APPLICANT: Engvall, Eva  
APPLICANT: Leivo, Ilmo  
TITLE OF INVENTION: Nucleic Acids Encoding Merosin, Merosin  
TITLE OF INVENTION: Fragments and Uses Thereof  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Campbell and Flores  
STREET: 4370 La Jolla Village Drive, Suite 700  
CITY: San Diego  
STATE: California  
COUNTRY: USA  
ZIP: 92122  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/460,309  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/125,077  
FILING DATE: 22-SEP-1993  
APPLICATION NUMBER: US PCT/US 94/10730  
FILING DATE: 21-SEP-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/472,319  
FILING DATE: 30-JAN-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/919,951  
FILING DATE: 27-JUL-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Campbell, Cathryn A.  
REGISTRATION NUMBER: 31,815  
REFERENCE/DOCKET NUMBER: P-LA 9721  
TELEPHONE: (619) 535-9001  
TELEFAX: (619) 535-8949  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3111 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-460-309-4

Query Match 4.6%; Score 320.5; DB 2; Length 3111;  
Best Local Similarity 20.1%; Pred. No. 3.3e-19;  
Matches 224; Conservative 150; Mismatches 378; Indels 365; Gaps 49;

QY 205 ISLKFMSQDGVLFH-GEQGRGHITLQKGRALHLNLGDSKARLSSLSPLATLGL 263  
DB 2171 IVNVATAVADNLLFLGSAKFDLFLAEMKGVSLFDVGVSGVRV--EYPDLT----- 2224  
QY 264 LDDQHXXVLIERVQKVNFTVD-----KHTQHERTKGETDALDIYE--LSRGG 311  
DB 2225 IDSYWTRIVASTGRNGTTSVRALDGPKASIVPSTHSTSPPGYTTILDVANAMLFVGG 2284  
QY 312 IPVPGKPGTFLKK-----NHFHCENLYNGVNIIXLAKRRKHQIYTVGNVTFSCSEP 364  
DB 2285 L--TGR-----LKKADAVRVITFTGCMGETYFDNKPGLWNFREKE-----GDCKGCTVSP 2333  
QY 365 QIVPIFTVNSSGSYLLLPQTQIDG-----LSVSFQFRTWKNKDGLL--- 405  
DB 2334 QVED-----SEGTIQFDGEGYALVSRDIRVYPNISTVMFKPRTFESSALLMYL 2381  
QY 406 -----LSTELSEGSGTLLLSLEGGILRLVIOKMTVERVAEILTGSNLNDGLWHVSIN 457  
DB 2382 ATRDLRDFMSVELTDGHIKYSYDLGSG-----MASVVSQNHNDGKWKSEFTLS 2429  
QY 458 ARNRITLTLL-----DDEAAPAPDSTWQVIYSGNSYVFGGCPDNLTDSCQLNP--- 506

Db 2430 RIQKQANISIVDIDTNQENIATSSGNNFGLDLKADDKIYFEGGLPTLNLNLSMKARPEVN 2489  
QY 507 IKAFOGCMRLIFIDNQP-----KDLISVQOQSLGNFSDLHIDLCSIKRCLPNYCEHGG 560  
Db 2490 LKYSGLCKDIEISRTPYNILSSPDYVGVTKG-----CSLENNVYVSPFKPG- 2536  
QY 561 SCQSQWTTFYCNCSDTSYTGATCHNSIYEQSCVYRHQGNTAGFFYIDSQSGPLGPLOV 620  
Db 2537 -----FVELSPVIDVGTGTEINLSFTK-----NESGIILLGSGGT-PAPP--- 2575  
QY 621 YCNITEDKIWTSVQHNNTELTVRGANPEKPYAMALDYG-----GSMEOLEAVI--- 669  
Db 2576 -----RRKRQTQOAYVILLNRGLRLEVHLSTGARTKRIYIRPE 2615  
QY 670 -----DGSEHCQEYAYHCRRSRLLNTPDGTPFTWIGRSNERHP-----YWGSGPPGV 718  
Db 2616 PNLPHDGRH-----SVHVERTRGITVQVDENRRYMQNLTVQEPIEVKKLVGGAPPEF 2670  
QY 719 QQC-----ECGLDBESCL-----DIOHFCNCADKDKDWTNDTGFLSF 754  
Db 2671 QPSPLRNIPPEGCIWNLVINSPMDFARPVSKNADIGRCAHQKLRDE----- 2720  
QY 755 KDHLPTQIIV-----TDTD-----RNSSEAAWIRGILRCYGDRRFNNAVSF 796  
Db 2721 -DGAAPAEIVIQPEVPPTPAFTPTVLTHGCAAESEPALIGSKQGLSRNSHIAIAF 2779  
QY 797 YTEASYLHPTFHAFESADISFFETKTALSGV--FLENLGKIDFIRLEISSPSEITFAD 854  
Db 2780 -DDTKVKNRLTIELE-----VTEAESGLLFTMAINHADFATVQURNGLPY-FSYD 2829  
QY 855 VNGPVELVQPSLLNDNQHYVRAERNLKETSLOVNLPRSTRETSEEGHFRQLNSQ 914  
Db 2830 LGSQDTHMI--PTKINDQWHKIKIMRSKQEGILYVDG--ASNRTISPKKADILDVVG 2885  
QY 915 LFVGT-----SSRQKGL-----GCIRSLHNGQKMDLEERAKVTSVGRPGCPGHCSYSG 965  
Db 2886 LYVGLPIYNTTRIGPVTYSIDGCVNLHMAEAPADLEQPT-----SSP- 2930  
QY 966 STCHNGKCKVEKHNGYLCDTNSPYEGPCKKEVSAV--FEAGTSVYMFQEPYPTKNI 1023  
Db 2931 ---HVGTCFANQRTYFDGTG-----FAK-----AVGFKVGLDLDLLEFE----- 2968  
QY 1024 SILSSAIYTDAPSKEINIALSEVTTQAPSLLLFINSSQDFV-----VVLCKNGS- 1074  
Db 2969 -----FATTTTGVLLGISSQKMDGMEIDKLMFHDVNDGAG 3007  
QY 1075 -----LQVRYHLNKEETHVETIDADNPNANRMMHKLNRREGRELTIQMDQOLRLS- 1124  
Db 3008 RFTAVDAGVPGHLCDGQWHKVT-----ANKIKRIELTVDGNQVEAQSPNPASTSADT 3061  
QY 1125 -----YNFSPEVEFR-VIRSLTLGKVT 1145  
Db 3062 NDPVEVGGFPDDLKQGLTTSIPFRGCIHSLKLTGKT 3098

RESULT 6  
US-08-125-077-4  
; Sequence 4, Application US/08125077  
; Patent No. 5872231  
; Patent No. 5872231 5840863  
; GENERAL INFORMATION:  
; APPLICANT: Engvall, Eva  
; APPLICANT: Leivo, Ilmo  
; TITLE OF INVENTION: Nucleic Acids Encoding Merosin, Merosin  
; TITLE OF INVENTION: Fragments and Uses Thereof  
; NUMBER OF SEQUENCES: 23  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Campbell and Flores  
; STREET: 4370 La Jolla Village Drive, Suite 700  
; CITY: San Diego  
; STATE: California  
; COUNTRY: USA  
; ZIP: 92122

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COMPUTER READABLE FORM:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/125,077
FILING DATE: 22-SEP-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US PCT/US 94/10730
FILING DATE: 21-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/472,319
FILING DATE: 30-JAN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/919,951
FILING DATE: 27-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LA 9721
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 3111 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-125-077-4

Query Match 4.6%; Score 320.5; DB 2; Length 3111;
Best Local Similarity 20.1%; Pred. No. 3.3e-19;
Matches 224; Conservative 150; Mismatches 378; Indels 365; Gaps 49;

QY 205 ISLAFKSMQGVLFH-GEQQRGDHITLQKRLALHLNLDGDSKARLSSPSATLGLSL 263
DB 2171 IVNVKTAVALNLLFYLGSAKFIDFLATEMRKGVSLMDVDSGVGRV--EYPDLT---- 2224
QY 264 LDDQHWHXVLTERGVKNFTVD-----KTHQFRTKGETDALDIDYE--LSFGG 311
DB 2225 IDDSYWRIVASRGRTGISRALDGPASIVPSTHISTSPGGYITLDDANAMLFVGG 2284
QY 312 IPVPGKPTFLKK-----NFHGCENLYNGVNIILAKRRKHQIYTVGNVTFSCSEP 364
DB 2285 L--TGK-----LKKADAVRVITFTGCMGETYFDNKKFGLWNPKE-----GDCKGCTVSP 2333
QY 365 QIVPITFVNSSGSVLLLPCTQIDG-----LSVSFQRTWKNKDGILL---- 405
DB 2334 QVED-----SEGTQFDGEGYALVSRPIRWYPNISTVMFKFTFSSSALLMYL 2381
QY 406 -----LSTELSEGSTLLSLEGGILRLVIOKTERVAEILGSLNLDGLHWSVIN 457
DB 2382 ATRDLRFMSVELTDGHKIVSYDLGSG-----MASVSNQNHNDCKWKSFTLS 2429
QY 458 ARNRITLTL-----DDEAAPPADSTWQIYSGNSYFYGCGPDNLTDSCQLNP---- 506
DB 2430 RIQQAANISVIDTNOBENIATSSGNFGLDKADDKIYFGLPTLRNLMSKARPEVN 2489
QY 507 IKAFQGCMLRFIDNP-----KDLISVQOQSLGNFSDLDLHLCISIDRCLPNYCEHGG 560
DB 2490 LKRYSGCLKDIEISRTPNYLSSPDYGVGTG-----CSLENVYTVSPFKPG- 2536
QY 561 SCQSOWTTFYCNCSDTSYTGATCHNSIYEQCEVYRHOGNTAGFFYIDSGSGPLGLQV 620
DB 2537 -----FVELSPVIDVTEINLSFTK-----NESGIILLGSGGT-PAPP---- 2575
QY 621 YCNITEDKIWTSVQNNHNTLFRVGANPEKPYAMALDYG-----GSMEOLEAVI--- 669
DB 2576 -----RKRRTQTQAYVYVILLNLRLEVLHSTGARTMKRIVIRPE 2615
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QY 670 ----DGSEHCEQEVAVYCHRRSLRLLNTPDGTPTTWIGRSNERHP-----YMGSGPPGV 718
DB 2616 PNLFDHGREH-----SVHVERTGIFTVQVDENRRYMNLTVEQPIEVKKLVFGGAPPEF 2670
QY 719 QQC-----ECGLDESCL-----DIOHFCNCADADKDEWNTDGTGLSF 754
DB 2671 QPSPLRNIPPEFGCIWNLVNSVPMDFARPVSFNKADIGRCAHQKLEDE----- 2720
QY 755 KDLPLVTQIVI-----TDTD-----RSNSEAAWRIGPLRCYGDRRFWNAVSVF 796
DB 2721 -DGAAPAEIVIQPEPVPTPAFTPTVLTHGPCAAESEPALIGSKQFGLSRNSHIAIAF 2779
QY 797 YTEASVILHPTTFAEFSADISFEFKTALSGV--FLENLGIKDFIRLEISSPSEIFAID 854
DB 2780 -DDTKVKNRLTIE-----VRTEAESGLLFYMAAINHADFAFVQLRNLPLPY-FSYD 2829
QY 855 VNGPVELVQSPSLNDNQNWYVRAERNLKETSLQVDNLPSTRETSEGHFRLOLNSQ 914
DB 2830 LSGSDHTMI--PTKINDGQWHKIKIMRSKQEGILYVDG--ASNRTISPKADILLVVG 2885
QY 915 LFVGGT-----SSRQKGL-----GCIRSLHNGQKMDLEERAKVTSGVRPGCPGCHGSSY 965
DB 2886 LYVGGLPINVTTRRIGPVTVSYIDGCVRNLMHAEAPADLEQPT-----SSF- 2930
QY 966 SICHNGKCKVEKHNGYLCDCNTSPYEGPCCKEVSAY--FEACTSVTYMFEQEPYPTVKNI 1023
DB 2931 ---HVGTCTFANAQRTGYFDGTG-----FAK-----AVGFKVGLDLLVEPE----- 2968
QY 1024 SLSSSAIYTDAPSKENIALSVTTQAPSLLLFINSSODEV-----VLLCKNGS- 1074
DB 2969 -----FATTTTGVLLGISQKMDGMIEMIDEKLMFHVNDGAG 3007
QY 1075 -----LQVRVHLNKEETHVFTIDADNFANRRMHKLKINREGRELTIONDQOLRLS--- 1124
DB 3008 RETAVYDAGVPGHCLDGQWHKVT-----ANKIKHRIELTVDCNQVEAQSPNPASTSADT 3061
QY 1125 -----YNFSEPEVEFR-VIRSLTLGKVT 1145
DB 3062 NDPVFVGGFPDDLQKQGLTSTIPFRGCIIRSLKLTGKT 3098

RESULT 7
US-08-460-309-5
; Sequence 5, Application US/08460309
; Patent No. 5837496
; GENERAL INFORMATION:
; APPLICANT: Engvall, Eva
; APPLICANT: Leivo, Ilmo
; TITLE OF INVENTION: Nucleic Acids Encoding Merosin, Merosin
; TITLE OF INVENTION: Fragments and Uses Thereof
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/460,309
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/125,077
; FILING DATE: 22-SEP-1993
; APPLICATION NUMBER: US PCT/US 94/10730
; FILING DATE: 21-SEP-1994
; PRIOR APPLICATION DATA:
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APPLICATION NUMBER: US 07/472,319  
 FILING DATE: 30-JAN-1990  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/919,951  
 FILING DATE: 27-JUL-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Campbell, Cathryn A.  
 REGISTRATION NUMBER: 31,815  
 REFERENCE/DOCKET NUMBER: P-LA 9721  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (619) 535-9001  
 TELEFAX: (619) 535-8949  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 3075 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 US-08-460-309-5

	Query Match	4.28;	Score 294;	DB 2;	Length 3075;
	Best Local Similarity	19.3%;	Pred. No. 8.8e-17;		
	Matches 238;	Conservative 178;	Mismatches 474;	Indels 340;	Gaps 56;
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Qy	104	TSYSL-WFSOTGRWNKQYKQBDSTWT--FAGNMNADSVVHHLLHSVRARFRVFVP----	LE 158		
Db	2039	TSASLSRVNTTLRETHQLLODSTMATLLAGRKVDVEIQAKVL-----FORLAPKLME 2092			
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Qy	159	WNPSEKIG-----MRVEVYCYSKSDV-AFDGRSSLLYRFNKMLSTLDKDVLSLKPKS 211			
Db	2093	ENLSRNLSEIKLLISQARKQAASIKAIVASADRD---CIRAYQOQISSINTNTLTNVKT 2148			
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Qy	212	MOGQGVLFH-GEQGQRDHITLEOKLRALHLNLGDSKARLS--SSLPSATLGSLDDQHW 269			
Db	2149	OEPNNLLFYLGSTASTDFLAEMRRGRVAFIWDLGSGTRLEPDPFP-----IDNRW 2201			
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Qy	270	HXVLIERVG-----KQVNFTVDKHQTHTKETDALDIYE--LSFGGTPVGKPGT 320			
Db	2202	HSIHVARFGNIGLSLVKRMSSNQSPKTKSAKPTANVLDVNNSTLMFEVGL-----GG 2255			
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Qy	321	FLKK-----NFHGCIENLYNGNIIXLAKRKHQIYYTVGNV--TFSCSEPQIVPTTF 371			
Db	2256	QIKKPAKVTHFKGCGLGEAFLNGKSI----GLWNYIEREKCRCGCGSQONEDPSPHF 2310			
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Qy	372	VNSGSYL--LLPQTPOIDGLSVSFQRTWKNDGLL-----LSTELSEGSGTLL 418			
Db	2311	DGSGYSVVEKSLPATV---TQIIMLFTFSPNGLLLYLGSYGTKDFLSIELFRGRVKVM 2366			
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Qy	419	LSLBGGILRLVIQKTERVAEILLGSLNLDGLSHWSVSINARNRITLTLD----- 469			
Db	2367	TDLGSGPITL-----LDRRYNNGTYKIAPQRNKGVLAVDAYNTSNKET 2414			
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Qy	470	-EAAPPAPDSTWVOIYSGNSYFFGCPDNLTDSCLNPFIKAFOGCMRLFIDNOPKDILI- 527			
Db	2415	KQETPGASSDLNRL-DKDPITYVGLPRSRVVRRGVT--TKSFVGCICKMLETIRSTFDDR 2472			
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Qy	528	--SVOQC-----GNFSDLHDLCISKDRCLPNYCEHGGSCSWTFYCNCDTSYTG 580			
Db	2473	NSYCVRGCKLEPIRSYSFLKGGYIELPKSL-----SPEEWLYTFATTNSSGILL 2524			
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Qy	581	ATCHINSIEQCEVYRHQNTAGPFYIDSGGPLQPLQVVCYNITEDKIWTSVQHNPTEL 640			
Db	2525	AALGDVEKRGDREEAH-----VPFFSVMLIG---GNIEVHVNPDG----- 2563			
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Qy	641	TRVRGANPEKPYMALDYGGSMEOLEAVIDGESEICEQBVAVHCRRSRLNTPDGTPTFW 700			
Db	2564	TGLRKALLHAPTGTCSB-GGAHSISLVRN-----RRIITVOLDENNPPVEMK 2608			
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Qy	701	IG-----RSNERHPYWGSGPPGVQCEBGDESLDIQ-----HFC-----NC 738			
Db	2609	LGTLVESRTINVSNLYVGGIPEGE-----GTSLLTNMRSHFGCIKNLIENLELLDFNS 2661			
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Qy	739	DADKDEWNTDGFSLFKDHLDPVTOIVTDTRSNSEAARWRTGICRYCDGRFNWASF-- 796			

QY	845	SPSEITFAIDVGNQPVVELVQSPSLNDNQWYVRAERNLKETSQVNDLPRSTRETSEE	904
DB	2770	G-GRLFHFMFDLGRGRTK--VSHPEALLSDGKWHVTKTDYVVRKRGKITVDGRESMPVTVGD	2826
QY	905	GHRFLQINLSOLFVGGTSSROK-----GFLGCIIRSLHLNOKMKDLERAKVTSGVRP	955
DB	2827	GTW-LDVEGLFYLGGLPSQYQARKIGNITHISIPACIGDVTVNSKQDKDQSPVSAFTVNR-	2884
QY	956	GCPGHCSSYGSICHNGGKCKEKGNYLDCDCTNSPYGPFCKEVSFAVEAGTSVYVMFOE	1015
DB	2885	-----CYAVAQEGTY-----FD-GSGYAALVKE	2906
QY	1016	PYPVTKNISLSSAIYTDAPSKENIALSEVTTQAPSLFLFINSSQDFVYVLLCKNGSL	1075
DB	2907	GKVKQSDV-----NITLPTSSQNGVLLGISTAKVDAIGLELVDG---	2947
QY	1076	QVRYHLNK-----EETHVFTIDADNFANRRMHHLKINREGRELTQIMD-----	1118
DB	2948	KVLFHYNNGAGRITPAYEKPATVLCDG-----KWHTLQANKSKHRITLIYDGNVAGAES	3003
QY	1119	---QOQLRLSYN-----FSPEVEFRVRSUTLKGVTENLGLDSEVAKANAMFAGCM---	1166
DB	3004	HTGSTVDYNNPIYVGYGYPAGVKQKCLRST-----SPRGCLRLK	3043
QY	1167	-----SSVOYNHIAPLKAALRHATVAP	1188
DB	3044	ALIKSPQVQSLDFSRAPFELHGVFLHSCPGP	3073
RESULT 9			
US-08-600-982-24			
; Sequence 24, Application US/08600982			
; Patent No. 6120991			
; GENERAL INFORMATION:			
; APPLICANT: Carter, William G.			
; APPLICANT: Gil, Susanna A.			
; TITLE OF INVENTION: Epiligrin, an Epithelial Ligand for			
; TITLE OF INVENTION: Integrins			
; NUMBER OF SEQUENCES: 30			
; CORRESPONDENCE ADDRESS:			
; ADDRESSEE: Christensen, O'Connor, Johnson, and Kindness			
; STREET: 1420 Fifth Avenue			
; CITY: Seattle			
; STATE: WA			
; COUNTRY: USA			
; ZIP: 98101-8100			
; COMPUTER READABLE FORM:			
; MEDIUM TYPE: Floppy disk			
; COMPUTER: IBM PC compatible			
; OPERATING SYSTEM: PC-DOS/MS-DOS			
; SOFTWARE: PatentIn Release #1.0, Version #1.25			
; CURRENT APPLICATION DATA:			
; APPLICATION NUMBER: US/08/600,982			
; FILING DATE: 02-SEP-1994			
; CLASSIFICATION: 435			
; ATTORNEY/AGENT INFORMATION:			
; NAME: Shelton, Dennis K.			
; REGISTRATION NUMBER: 26,997			
; TELECOMMUNICATION INFORMATION:			
; TELEPHONE: (206) 682-8100			
; TELEFAX: (206) 224-0779			
; INFORMATION FOR SEQ ID NO: 24:			
; SEQUENCE CHARACTERISTICS:			
; LENGTH: 1713 amino acids			
; TYPE: amino acid			
; TOPOLOGY: linear			
; MOLECULE TYPE: protein			
; DESCRIPTION: E170 protein as translated from sequence			
; DESCRIPTION: of FIGURES 15A-15F, and as shown also in FIGURES			
; DESCRIPTION: 19A-19R			
US-08-600-982-24			

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Query Match          3.6%; Score 253; DB 5; Length 1713;  
Best Local Similarity 19.3%; Pred. No. 1.9e-13;  
Matches 241; Conservative 176; Mismatches 447; Indels 384; Gaps  
  
Qy   93 TQGRYGSDDWVTSYLMSFDSTGRN-----WKQYKQEDSITWTAGNM--NADSVVVHH 1411  
      ||| :|: :|| :|: | |:| :|: | :|: | :|:  
Db    699 TYGRTONEDE--KKALTDADNSVNKLTKLPDLWRKTIESINQQLLPLGNISDNMDRI--R 754  
  
Qy   142 KLLHSVR-AKFVFVPLEUHPSPSKIGMRVEYGCSKSVDADFGRSSL---LYFRNQKL 1970  
      ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||:  
Db    755 ELIOOARDAASKVAVMRFEN--GKSGGYEVLRL----PNLDLEDLKGTYSLFLQRPSNR 807
```

QY 198 MSTLKDVISLKFKNQSGVLFHGEORG-DHITLLEOKGRLLHNLGDSKARLSSSLP 256  
Db 808 NGGTENMF-----VWLGKNDASRDYIGMAVVDGQTCVYNLGDREALEQ----- 852  
QY 257 SATLSGLDDOHWXHLIERVKQ-----VNETVDKHTQHFRTKGETD-----AL 301  
Db 853 ---VDQILTKSETKEAVMDRKFORIYQFARLNTYTKGATSSKPTPGVYDMDGRNSNTLL 909  
QY 302 DIDYE---LSFGGIPVPGK-PGTFKKNFHCIGENLYNGVNIIXLAKRRKHQIYTVGNV 357  
Db 910 NLDPENVVYVGGYPDPKPLSRLSRSPYKGCIE-LDDLNENVLSLYNFKK----- 959  
QY 358 TFCSEPOIUPI-----TFVNSGSGYLLLPCTPOIDGLSVSFQFRTWKNKDGILLST 408  
Db 960 TENLNTTEVEPCRRKRKESDKNYFEGT-YARVTPQPHAPITPFGQTQTTVDRLGLLFFA 1018  
QY 409 ELSESGTLLLSLEGILRLVIQKMTERRVAEILTGSNLDGLHWSVSNARR--NRITIT 466  
Db 1019 E--NGDRFISLNIEDGKLWRYKLNSELPKERGVDAINNGRDHSIQIKIGLQKRWMIN 1076  
QY 467 LDDEAAPAPDSTWV--QIYSGNSYIFGCGPDNLTDSCLPKAFQCGMRILFIDNQP 524  
Db 1077 VDVO-----NTIDGVEFVFSTYLGPIAIRERFNIS-TPAFRGCMK-----NLKK 1123  
QY 525 -----DLISVOQSGSLGNSDLHIDLCSIKDRCLPNYCEHGGSCSQSW-----TTFYCN 572  
Db 1124 TSGVVRNLNDVGVTK-----KCEDMKLVRSASFRR 1154  
QY 573 CSDTSYT-----GATCHNSIYEQCEVYRHQCNAGFFYID-- 608  
Db 1155 GGQLSFTDLGLPPTDHLQASFGFTQFPQSGILLDHOHTWRNLQVLTLEDG-----YIELS 1208  
QY 609 -SDGSGP-----LGPLQVYCNITDK-----IWTSVQHNNTELFRVRGANPEKPYA 653  
Db 1209 TSDSGGPIFKSPQYMDGLLHYVSVSDNSGLRLIIDQLLRNSKRLKHSSSR----- 1262  
QY 654 MALDYCGSMEOLEAVIDGSEHCEQEVAYHCRSRLLNTPDGTPTFWIWRGSRNERIPYWG 713  
Db 1263 QSLRLGGS-----NFGECISNVFV-----QRLSLSPVELDLT---SNSLKRDSVJGG 1306  
QY 714 SPFGVOQCEGLDSCSLDIQHFCNCADKDEWNTDGLFSLFKDHLPVQIIVTDTDRNS 773  
Db 1307 -----CSLKN-----PPFLMLLKGSTRENK 1326  
QY 774 EAWRIG-----PLRCYGDRRFNWVSF---YTEASY--LHF---PTFH----- 809  
Db 1327 TKTFRINOLLQDTPVASPRSVKVMQDACSLPKTQANHGALQFGDIPTSHLLFKLPQELL 1386  
QY 810 ---AESADISFFKTTALSCVFLNIGIKDFIRLEITSSPSEITFAIDVGNPVELVQOS 866  
Db 1387 KPRSQFAVDM-----QTTSSRGLVFHTGTKNSFMALYLSK-GRLVFAL--GTDGKKLRKS 1439  
QY 867 PSLNDNQHVVRAERNLKTSLQVDNLPRSTRETSEGHFRLOLNSOLFVGGTSSRO-- 924  
Db 1440 KECNDGKHTVYVFGHGEGRUVVDGL--RAREGSLPGNNTISIRAPVILGSPSPGPK 1497  
QY 925 -----KGLGCIIRSLHNGKQMDLEERAKVTSGVRPGCPGHCSYXG-SIC----- 968  
Db 1498 SLPTNSFVGLCKNFQDLSKPL-----YTPS-----SSFGVSSCLGPLEKGIYF 1541  
QY 969 -HNGGCKVEKHNGYLCDCNTSPYEGPCKEVSFAVFRAGTSVTYMFQBPYVPTKNISLSS 1027  
Db 1542 SEEGHGVVLAHSVLL-----GP-----EFKLVS-----IRPRSLTG 1573  
QY 1028 SALTDSAPSKEITALSFVTTQAPSLLLFINSSQDFVWVLLCKNGSLQVRYHLNKEETH 1087  
Db 1574 ILHIGSQPKH-----LCVYLEA-----GKVTASMDSGAGCTS 1607  
QY 1088 VFTIDANFANRMMHLKINREGRELTQMDQOQLRSLVSNFSEVFEFRVIRSLTLGKVTEN 1147  
Db 1608 TSVTPKOSLDCGQWHSAVVIKQHILHLELTDSSYTAGQIPFPFPASTQEPFLHGGAPAN 1667  
QY 1148 L-GLDSEVAKANAMGFAAGCMSSVOYNNH-APLKAALRHATVAPVTVHG 1193

Db 1668 LITLRIPVWKS-----FFGCLRNIHWNHPIPVPTALE---VQGPVSLNG 1709  
RESULT 11  
US-09-191-647-2  
; Sequence 2, Application US/09191647  
; Patent No. 6046015  
; GENERAL INFORMATION:  
; APPLICANT: Goodman, Corey  
; APPLICANT: Kid, Thomas  
; APPLICANT: Brose, Katja  
; APPLICANT: Tessier-Lavigne, Marc  
; TITLE OF INVENTION: Modulating Robo: Ligand Interactions  
; FILE REFERENCE: B98-031-3  
; CURRENT APPLICATION NUMBER: US/09/191,647  
; CURRENT FILING DATE: 1998-11-13  
; EARLIER APPLICATION NUMBER: 60/065,544  
; EARLIER FILING DATE: 1997-11-14  
; EARLIER APPLICATION NUMBER: 60/081,057  
; EARLIER FILING DATE: 1998-04-07  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 1525  
; TYPE: PRT  
; ORGANISM: human  
US-09-191-647-2

Query Match 3.68; Score 248; DB 3; Length 1525;  
Best Local Similarity 22.38; Pred. No. 4.4e-13;  
Matches 168; Conservative 95; Mismatches 286; Indels 206; Gaps 43;

QY 355 GNVTFSCBPQIVP-----ITFVNSGSGYLLLPQTQ-----IDGLSVSFQFRTWN 400  
Db 711 GNDNSCSPSCRPTCTCLDTVVRCSNKGKLVKPGIPRDVTLEYLDG-----NQF--- 762  
QY 401 KDGLLSTELSGSGTLLSLEGILRLV---IQMTERVAEILTGSNLN-----DG 449  
Db 763 ---TLVPKELSNYKHLTLIDLNNRISTLSNQSFSNMTQLLTLLSYNRLRCIPPTFDG 819  
QY 450 LHSVSIINARRNITL-----TLDEAPAP-----DSWVQIYSGNSYIFGG- 493  
Db 820 LKSLRLSLHGNDISVVPFEGAFNDLSALSHLAIGANPLYCDCNMOVLSWVSEYKEPGI 879  
QY 494 --C--PDNLTDSCCL-NPLKAF--QSGMRLIFIDNPKDLISVQOGLSGLNFDLHIDLCS 546  
Db 880 ARCAGPGENADKLLLTTPSKFTCOG-----PVD-----VNILA 913  
QY 547 IKDRCLPNYCEHGGSCSQSWTTFY-CNC-----SDTSYTGATCHNSIY 588  
Db 914 KNCPLSNPKCKNDGTCNSDPDVFYRCTPYFGQDCDVPFHACISNPKCKHGTCH--- 969  
QY 589 EOSCEVYRHQGNATGFFYIDSG-SGPLGLQVYCNITEDIKWTSVQHNNTELTRVRGAN 647  
Db 970 -----LKEGEDGFWCICADGFE-----NCEVNVDDCEDNDCCENS--TCVDGIN 1014  
QY 648 -----PEKPYAMALDYGGSM--EQLEAVIDGSEHCEQEVAYHCRSRLLNTPDGTPT 698  
Db 1015 NYTCLCPPE-----YTGELCEBKLDPCAQDLNCPQHD-----SKCILTPKG--- 1055  
QY 699 WWIGRSNERHPYWGSPGVOQCEGLD-ESCLD--IQHFCNCADKDEWNT---NDTG 750  
Db 1056 -----FKDCTFGYVGEHCDIDFDDCQDNKCKNGAHCCTDAVNGYTCICEGYSG 1104  
QY 751 -FLSPKDH--LPVTOIVITDTRSNSEAAWRIGPLRC-----YGDRRFNWVS--FYTER 800  
Db 1105 LFCESPPMWLPRTSPCDFNDCQNGAQCIIVRINEPICQCLPCYQGEKCKLVSNFINKE 1164  
QY 801 SYLHPPTTHAFESADISFFKTTALSGVFLNIGLKDFIRLEISSPSEITFAIDVGNP 860  
Db 1165 SYLQIPSAKVRPQTNITLIQIATDEDSGILLYK-GDKDHIAVELYR-GRVRSYDTGSHPA 1222

Qy	861	ELVVQSFLNDNQWVYVRAERNIKETSLOVD-NLPSTRETSEGHPRLQNSQLFVGG	919
Db	1223	S-AIYSVETINDGNFHVELLADQSLSVGGNPKIITNLKSQ--TLNFDSPLYVGG	1279
Qy	920	-----TSSRQ-----KGFLGCTRSLLHNGQKWLDEERAKVTVSGVRPGC-PGHCSYSG	965
Db	1280	MPGKSNVASURQAPGGNGTSFHGCIIRNLVINSELQDF-QKVPMTGITLPGCEPCH----	K 1334
Qy	966	SICHNGCKVEKINGYLDCDCTNSPYEGPECKEVS	1000
Db	1335	KVCAHGTCOPSSQAQGFTCCQBG-WMGPLCDORTN	1368

```

RESULT 12
US-09-540-245A-2
; Sequence 2, Application US/09540245A
; Patent No. 6270984
; GENERAL INFORMATION:
; APPLICANT: Goodman, Corey
; APPLICANT: Kld, Thomas
; APPLICANT: Brose, Katja
; APPLICANT: Tessier-Lavigne, Marc
; TITLE OF INVENTION: Modulating Robo: Ligand Interactions
; FILE REFERENCE: B98-031-3
; CURRENT APPLICATION NUMBER: US/09/540,245A
; CURRENT FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 60/065,544
; PRIOR FILING DATE: 1997-11-14
; PRIOR APPLICATION NUMBER: 60/081,057
; PRIOR FILING DATE: 1998-04-07
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1525
; TYPE: PRT
; ORGANISM: human
US-09-540-245A-2

```

Query Match 3.6%; Score 248; DB 4; Length 1525;  
Best Local Similarity 22.3%; Pred. No. 4.4e-13;  
Matches 168; Conservative 95; Mismatches 286; Indels 20

Qy	355	GNVYFSCSEPIQYVP-----ITFVNSSGSYLLPGTPQ-----IDGLSVSFQRTWN	400
Db	711	GNDDSCSPLSRCTECTCLDTWVRCNSKGLAVPKGIPROVTYLDG---NQF----	762
Qy	401	KDGLLSTLESGSGTLLLSLGGJRLV---IOKMTVERVAEILTGSNL-----DG	449
Db	763	---TLVPKELSNYKHLTLIDLNSNRISTLSNQSFNMTOQLTLILSYNRLRCIPRPF	819
Qy	450	LWHSVSNARNRITL-----TLDEAAPAP-----DSTWVOIYSGNSYFEGG-	493
Db	820	LKSLRLLSLHGNDISVYPEGAFNDLSALSHLAIGANPLYDCDNMQWLDWYKSEYKE	879
Qy	494	--C--PDNLTDSQL-NPIKAF--QOCMRLLIFIDNQKDLISVQOGLNFSDLHID	546
Db	880	ARCAGPGEMADKLLLTTPSKKFTCQG-----PVD-----VNILA	913
Qy	547	IKDRCLPNYCEHGGSCSQSWTTFY-CNC-----SDTSYTGATCHNSIY	588
Db	914	KCNPCLSNPKNDGTCSNDPVDYRCTPYGFGQDCDVPFHACISNPKKHGGTCH	969
Qy	589	EQSCVYVRHOGNTAGFFYIDSDG--SGPLGPLQVYCNITEDIKWTSVQHNNTEL	647
Db	970	-----LKEGEDGFWCTCADGFE-----NCEVNVDDCEDNCCNNS--TCV	1014
Qy	648	-----PEKPYAMALDYGSM--EQLEAVIDGSEHCEQEVAYHCCRRLNLT	698
Db	1015	NYTCLCPPE-----YTGELCEEKLDFAQDLNFCQHD-----SKCILT	1055
Qy	699	WWIGRSNERHPYGGSPGQVQCECGLD--ESCLD--IOHFCMCDADKEWT-----	750

Db	1056	-----FKCDCTPGVVGHECHDIDFDDQDNKCKNGAHCTDAVNGYTCICPEGVSG	1104
Qy	751	-FLSFKDH--LPVTQIVITDTRSDNSAAWRIGPLRC-----YGDRTFWNAVS--FYTEA	800
Db	1105	LFCEFSPPMVLPTSPCDNFDQNGAQCIVRINEPICQCLPGCYQGEKCEKLVSNVFINKE	1164
Qy	801	SYLHPTFHAEFSADISFFKTKTALSGVFLNIGIKDFTRLBISSPSEITFAIDVNGNPV	860
Db	1165	SYLQPSAKVRPQTNTLTQIATDEDSGILLYK-GDKDHIIVELYR-GRVRSYDTGSHPA	1222
Qy	861	ELVVQSPSLNDNQWVYVRAERNLKETSLOVD-NLPRSTRFTRESEGHFRLQNLNSOLFVGG	919
Db	1223	S-AIYSVETINDGNFHVELLADQLSLVSUGVGNPKIITNLKSS--TLNFDSPLYVGG	1279
Qy	920	-----TSRRQ-----KGFLCIRSLHNGKMDLEERAKVTGVRPAGC-PGHCSYSG	965
Db	1280	MPGKSNVASLRQAPGQNGTSFHGICIRNLINSELQDF-QKVPQMGTGILPGCEPCH-	1334
Qy	966	SICHNGKCKVEKHNGVLCDCTNPSYEGPFCKKEVS	1000
Db	1335	KVCAHGFCOPSSOAGFTCEOEG-WMGPLCDORTN	1368

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RESULT 13
US-09-540-153-2
; Sequence 2, Application US/09540153
; Patent No. 6270995
; GENERAL INFORMATION:
; APPLICANT: Goodman, Corey
; APPLICANT: Kid, Thomas
; APPLICANT: Brose, Katja
; APPLICANT: Tessier-Lavigne, Marc
; TITLE OF INVENTION: Modulating Robo: Ligand Interactions
; FILE REFERENCE: B98-031-3
; CURRENT APPLICATION NUMBER: US/09/540,153
; CURRENT FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/191,647
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: 60/081,057
; PRIOR FILING DATE: 1998-04-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1525
; TYPE: PRT
; ORGANISM: human
; US-09-540-153-2

```

Query Match	3.6%	Score 248;	DB 4;	Length 1525;
Best Local Similarity	22.3%	Pred. No. 4.4e-13;		
Matches 168:	Conservative	95;	Mismatches 286;	Indels 206;
				Gaps 43;

Qy	355	GNVTFSCSEPIV-----ITFVNSSGYSLLLPETPQ-----IDGLSVSFQRFTWN	400
		: : : : :	
Db	711	GNDNSCSPLSRCPTECTCLDTVVRCSNKGLVKPGIPRDVTLYLDG----NQF----	762
		: : : : :	
Qy	401	KDGLLSTSELSEGSGTLLSLEGGILRV---IQKWTERVAEILTGSNLN-----DG	449
		: : : : :     : : : : :	
Db	763	--TLVPKEISYKHULTLIDLSNNRISTLSNQSFENMTQLLTLSYNRLRCIPPTFDG	819
		: : : : :     : : : : :	
Qy	450	LWHSVSINARNRRITL-----TLDDAEAAPAP-----DSTWWQIYSGNSYYFGG--	493
		: : : : :     : : : : :	
Db	820	LKSLRLLSLHGNDISVYPEGANFLDSALSHLAIGANPLYCDCNMQWLSDWKSEYKEPGI	879
		: : : : :	
Qy	494	-C--PNLRTDSOCL-NPIKAF--OGCMRLFIDNPDKLISVQOGSLGNFSDLHDLDGS	546
		: : : : :	
Db	880	ARCAGPEMADKLLLTTPSKFKTCQG-----PVD-----VNILA	913
		: : : : :     : : : : :	
Qy	547	IKDRCLPNYCEHGCSCSQSWTTY-CNC-----SDTSYTGATCHNSIY	588
		: : : : :     : : : : :	
Db	914	KCNPLSNPKCKNDGTNSDPDFVRCTPCFYFGKGQCDDVPIHACISNPKCHKGTCH---	969
		: : : : :	

Qy 589 POSCEVYRHQNTAGFFYIDSDG-SGPLPLQVQYCNITDKIWTSVQHNNTELTRVRGAN 647  
Db 970 -----LKEGEEDFWICADGFE-----NCEVNVDDCEDNDCENNS--TCVDGIN 1014  
Qy 648 -----PEKPYAMALDYGGSM--EQLEAVIDGSEHCEQVAYHCRSRLLNTPDGTPT 698  
Db 1015 NYTCLCPPE-----YTGELCEEKLDCAQDLNCPQHD-----SKCILTPKG---- 1055  
Qy 699 WWIGRSNERHPYWGSPGVOQCEGLD-ESCLD--IQHFCNCDADKDEWT-----NDTG 750  
Db 1056 -----FKDCTPTGYGEHCDIDFDDCQDNKCKNGAHCRTDAVNGYTCICPEGYSG 1104  
Qy 751 -FLSKFDH--LPVTQIVITDTRNSSEAAWRIGPLRC-----YGDRRFNWAVS--FYTEA 800  
Db 1105 LFCESPPWVLPRTSPCNDFCQNGAQCIVRINEPICQLPGYQGEKCEKLVSVNFINE 1164  
Qy 801 SYLHPTTHAEFSADISFFFKTALSQVFNELGKIDFIRLEISSPSEITFAIDVGNQPV 860  
Db 1165 SYLQIPSAKVRPQNTITLIQIATDEDSGILLYK-GDKDHLAVELYR-GRVRSYDGTGSHA 1222  
Qy 861 ELVQSPSLNDNQWHYVRAERNLKETSLQVD-NLPRSTRETSEBGFRLQLNSOLFVGG 919  
Db 1223 S-AIYSVETINDGNFHVIVELLALDQSLSVSDGNGPKITNLKQS--TLNFDSPLYVGG 1279  
Qy 920 -----TSSRQ-----KGFLGCIIRSLHNGCKMDLEERAKVTSQVRPCC-PGHCSSYG 965  
Db 1280 MPKSNVSLROAPQNGNTSFHGCIRNLYINSELQDF-QKVPMTGILPGCEPCH----K 1334  
Qy 966 SICHNGKCKVCKHNGYLCDCNTSPYEGPCKEVS 1000  
Db 1335 KVCAHGTCQPSQAGTCEQEG-WMGPLCDQRTN 1368

RESULT 14  
US-08-644-271-32  
; Sequence 32, Application US/08644271  
; Patent No. 5814478  
; GENERAL INFORMATION:  
; APPLICANT: Valenzuela, et al.  
; TITLE OF INVENTION: NOVEL TRYPTOPHANE KINASE RECEPTORS  
; NUMBER OF SEQUENCES: 32  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.  
; STREET: 777 Old Saw Mill Road  
; CITY: Tarrytown  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10591  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/644,271  
; FILING DATE: 10-MAY-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: USSN 60/008,657  
; FILING DATE: 15-DEC-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Covert, Robert J  
; REGISTRATION NUMBER: 36,108  
; REFERENCE/DOCKET NUMBER: REG 195A  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 914-345-7400  
; TELEFAX: 914-345-7721  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 32:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 492 amino acids

; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; FRAGMENT TYPE: internal  
; FEATURE:  
; NAME/KEY: Human Agrin  
; LOCATION: 1..492  
; OTHER INFORMATION:  
; US-08-644-271-32

Query Match 3.4%; Score 235.5; DB 2; Length 492;  
Best Local Similarity 24.4%; Pred. No. 8.2e-13;  
Matches 121; Conservative 71; Mismatches 193; Indels 111; Gaps 25;

Qy 715 PPGVQCEGGLDESCLDIQHFCNCDADKDEWTNDTGFSLFKDHLPTQIVITDTRNSSE 774  
Db 42 PEGGAQCECPGREG--GTFCQTASQD----- 66  
Qy 775 AAWRIGPLRCYGDRRFNWAVSFYTEASYLHPTTHAEFSAD-----ISFFFKTTALSGV 828  
Db 67 ---GSGPF-----LADFNFSHLELRLGHT-FARDLGEKMALEVFLARGPSGL 111  
Qy 829 FLEN-----LGKIDFIRLEISSPSEITFAIDVGNQPVLELVQSPSLNDNQWHYVRAERNL 884  
Db 112 LLYNQKQTDGKDFVSLALRD-RRLEFRYDLGKGA--VIRREPVTLGATRVSLERN 168  
Qy 885 KETSQVNDLPRSTRETSEE--GHFRLQLNSOLFVGGTSSROK-----GFLGCIR 932  
Db 169 RKALRVGDPGRVLGSPKSRKVPHTVNLKEPLYVGGAPDFSKLARAANVSSGFGAIG 228  
Qy 933 SLHLNGQKMDLEE---RAKVTSGVRPQCPGH--CS-SYGSICHNGKCKVCKHNGYLCDC 986  
Db 229 LVSLGGRQLLTPEHVLRLQVDVTS----FAGHPCTRASGHPCLNGASCVPREAAVYVCLCP 283  
Qy 987 NSPYEGPCKK---EVSA-----VFEACTSVTYMEQEPYPTKNTLSLSSAIYTSAPS 1037  
Db 284 GG-FSGPHCEKGLKESAGDVDTLAFDGRTFVEYL----NAVTE---SELANEIPVEKALQ 336  
Qy 1038 KENIALSFVTTQAPSLLLFINSSQ--DFVVLLCKNGSLQVRYHLNKETHTVFTIDAN 1095  
Db 337 SNHFELSRLTEATQGLVLMWSGRATERADIVALAIV-DGHLQLSYNLGSPVVLRSVTPVN 395  
Qy 1096 FANRRMHKLKINREGRELTQMDQQLRLSYNFSF--EVEFRVIRSLTLGKVTENLGLDSE 1153  
Db 396 --TNRWLRVVAHREQREGSLQVNEAPVT-GSSPLGATQDLDGALWLGSLPE-LPVGPA 451  
Qy 1154 VAKANAMGFAGCMSSV 1169  
Db 452 LPKAYGTGFGVGLRDV 467

RESULT 15  
US-09-188-930-183  
; Sequence 183, Application US/09188930A  
; Patent No. 6150502  
; GENERAL INFORMATION:  
; APPLICANT: Watson, James D.  
; APPLICANT: Strachan, Lorna  
; APPLICANT: Sleeman, Matthew  
; APPLICANT: Onrust, Rene  
; APPLICANT: Murison, James Greg  
; TITLE OF INVENTION: Compositions Isolated From Skin Cells  
; FILE REFERENCE: 11000.1011c1  
; CURRENT APPLICATION NUMBER: US/09/188,930A  
; CURRENT FILING DATE: 1998-11-09  
; NUMBER OF SEQ ID NOS: 348  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 183  
; LENGTH: 771  
; TYPE: PRT

; ORGANISM: Rat

; FEATURE:

; NAME/KEY: UNSURE

; LOCATION: (717)...(717)

US-09-188-930-183

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Query Match      3.4%; Score 233.5; DB 4; Length 771;
Best Local Similarity 23.4%; Pred. No. 2.8e-12;
Matches 130; Conservative 73; Mismatches 191; Indels 161; Gaps 38;

Qy 503 CL-NPIKAFQGCMLRIFINQPKDL--ISVQGSLSNFSDLHDLCSIKDRCLPNYCEHG 559
   || || | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 165 CLSNPCKNDGTC-----NNDPVDFRCPCYGFKGQDCDVPITHACT-----SNPCKHG 212

Qy 560 GSC-----SOSWTFYCNCSDTSYTCATCHNSIYEOCEVYRHQGNAGFFYJDSOGSGP 614
   || || | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 213 GTCHLKPRRETW--IWCTCAD-GFEGESCDINI--DOCE-----DND----- 249

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Job time: 10590 sec

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 About: Results were produced by the GenCore software, version 4.5,  
 Copyright (c) 1993-2000 CompuGen Ltd.

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## Search information block:

Query: US-09-770-643A-2  
 Query length: 1307  
 Database: Issued\_Patents\_NA:\*  
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## score\_list:

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## seq\_documentation\_block:

; Sequence 1, Application US/08460309  
 ; Patent No. 5837496  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Engvall, Eva  
 ; APPLICANT: Leivo, Ilmo  
 ; TITLE OF INVENTION: Nucleic Acids Encoding Merosin, Merosin  
 ; TITLE OF INVENTION: Fragments and Uses Thereof  
 ; NUMBER OF SEQUENCES: 23  
 ; CORRESPONDENCE ADDRESSES:  
 ; ADDRESSEE: Campbell and Flores  
 ; STREET: 4370 La Jolla Village Drive, Suite 700  
 ; CITY: San Diego  
 ; STATE: California  
 ; COUNTRY: USA  
 ; ZIP: 92122

## COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentin Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/460.309  
 ; FILING DATE:

## CLASSIFICATION: 435

; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/125.077  
 ; FILING DATE: 22-SEP-1993

; APPLICATION NUMBER: US PCT/US 94/10730

; FILING DATE: 21-SEP-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/472.319

; FILING DATE: 30-JAN-1990

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/919.951

; FILING DATE: 27-JUL-1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Campbell, Cathryn A.

; REGISTRATION NUMBER: 31,815

; REFERENCE/DOCKET NUMBER: P-LA 9721

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (619) 535-9001

; TELEFAX: (619) 535-8949

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 3554 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 10..3400

; US-08-460-309-1

## alignment\_scores:

Quality: 326.50 Length: 1110  
 Ratio: 0.669 Gaps: 50  
 Percent Similarity: 43.964 Percent Identity: 20.360

## alignment\_block:

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Align seg 1/1 to: US-08-460-309-1 from: 1 to: 3554





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; Patent No. 5872231 5840863
; GENERAL INFORMATION:
; APPLICANT: Engvall, Eva
; APPLICANT: Leivo, Ilmo
; TITLE OF INVENTION: Nucleic Acids Encoding Merosin, Merosin
; TITLE OF INVENTION: Fragments and Uses Thereof
; NUMBER OF INVENTIONS: 23
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
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; SOFTWARE: PatentIn Release #1.0, Version #1.25

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: FILING DATE: 22-SEP-1993
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US PCT/US 94/10730
: FILING DATE: 21-SEP-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/472,319
: FILING DATE: 30-JAN-1990
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/919,951
: FILING DATE: 27-JUL-1992
: ATTORNEY/AGENT INFORMATION:
: NAME: Campbell, Cathryn A.
: REGISTRATION NUMBER: 31,815
: REFERENCE/DOCKET NUMBER: P-LA 9721
: TELEPHONE: (619) 535-9001
: TELEFAX: (619) 535-9949
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3554 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 10..3400
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294 ThrLysGlyGluThrAspAlaLeuAspIleAspTyrGlu.....LeuSe 308
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## seq\_documentation\_block:

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; Patent No. 5444158
; APPLICANT: ENGVALL, EVA; SANES, JOSHUA
; TITLE OF INVENTION: MEROSIN, NUCLEIC ACIDS ENCODING,
; FRAGMENTS AND USES THEREOF
; NUMBER OF SEQUENCES: 4
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/87,642
; FILING DATE: 08-JUL-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 587,689
; FILING DATE: 24-SEP-1990
; APPLICATION NUMBER: 472,319
; FILING DATE: 30-JAN-1990
; SEQ ID NO:1:
; LENGTH: 3554
5444158-1

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## alignment\_scores:

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Quality: 326.50      Length: 1094
Ratio: 0.657         Gaps: 50
Percent Similarity: 45.430      Percent Identity: 20.293

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## alignment\_block:

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seq\_documentation\_block:  
; Sequence 23, Application US/08600982  
; Patent No. 6120991  
; GENERAL INFORMATION:  
; APPLICANT: Carter, William G.  
; APPLICANT: Gil, Susanna A.  
; APPLICANT: Ryan, Maureen C.  
; TITLE OF INVENTION: Epiligrin, an Epithelial Ligand for  
; TITLE OF INVENTION: Integrins  
; NUMBER OF SEQUENCES: 30  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Christensen, O'Connor, Johnson, and Kindness  
; STREET: 1420 Fifth Avenue  
; CITY: Seattle  
; STATE: WA  
; COUNTRY: USA  
; ZIP: 98101-8100  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/600,982  
; FILING DATE: 02-SEP-1994  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Shelton, Dennis K.  
; REGISTRATION NUMBER: 26,997  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 682-8100  
; TELEFAX: (206) 224-0779  
; INFORMATION FOR SEQ ID NO: 23:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5496 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA to mRNA  
; DESCRIPTION: Sequence of cDNA to 3EPA cDNA; see FIGURES  
; Patent No. 6120991  
; DESCRIPTION: 15A-15F  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 59..5200  
; US-08-600-982-23

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186 gSerSerLeu.....LeuTyrArgPheAsnGlnLysLeuMetSerT 200  
2437 TACATCTGTCTCTTCTTCTCCAAAGGCCCAACTCAAGAGAAAATGGGG 2486  
200 hrLeuLysAspValIleSerLeuLysPheLysSerMetGlnGlyAspGly 216  
2487 GTACTGAGAATATGTTT..... 2503  
217 ValLeuPheHisGlyGluGlnArgGly...AspHisIleThrLeuG1 232  
2504 GTGATGTACTCTTGGAAATAAAGATGCCTCCCGGGACTACATCGGATGCC 2553  
232 uLeuGlnLysGlyArgLeuAlaLeuHisLeuAsnLeuGlyAspSerLysA 249

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2554 AGTTGTGGATGCCACCTCACCTGTGTCTACAACCTGGGGACCGTGAGG 2603
249 laArgLeuSerSerSerLeuProSerAlaThrLeuGlySerLeuLeuAsp 265
2604 CTGAATCCAA.....GTGACACGATCTTGACC 2632
266 AspGlnHisTrpHis**ValLeuIleGluArgValGlyLysGln..... 280
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281 .....ValAsnPheThrValAspLysHisThrGlnHisP 292
2683 TTATCAGTTTCAAGGCTTAATTACACCAAGAGGCCACATCCAGTAAC 2732
292 heArgThrLysGlyGluThrAsp.....Ala 300
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301 LeuAspIleAspTyrGlu.....LeuSerPheGlyGlyIleProVa 314
2783 CTTAATTTGGATCTGAAATGTTCTATTTATGTTGGAGGTTACCCACC 2832
314 lProGlnLys...ProGlyThrPheLeuLysLysAsnPheHisGlyCysI 330
2833 TGATTTTAAACTCCCACTGACCTAAGTTTCCCTCCATACAAAGTTGTA 2882
330 leGluAsnLeuTyrTyrAsnGlyValAsnIleIle***LeuAlaLysArg 346
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347 ArgLysHisGlnIleTyrThrValGlyAsnValThrPheSerCysSerGl 363
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2953 AACTGAAGTGGAGCCTTGTAGAAGGAGGAGGAGAGTACAGCAAAAT 3002
371 heValAsnSerSerGlySerTyrLeuLeuLeuProGlyThrProGlnIle 387
3003 ATTTTGAAGTACGGGC...TATGCTCGAGTTCCAACTCAACACATGCT 3049
388 AspGlyLeuSerValSerPheGlnPheArgThrTrpAsnLysAspGlyLe 404
3050 CCCATCCCAACCTTTGGACAGACAAATCAGACCACCGTGGATAGAGGCT 3099
404 uLeuLeuSerThrGluLeuSerGluClySerGlyThrLeuLeuLeuSerL 421
3100 GCTGTTCTTTCCAGNA.....AAGGGGATCGCTTCATATCTCTAATA 3143
421 euGluGlyGlyIleLeuArgLeuValIleGlnLysMetThrGluArgVal 437
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3194 AAAGAGAGAGGAGTTGGAGAGCCCAATCAACACGCGACAGACCATTCGAT 3243
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3244 TCAGATCAAAATTTGAAATCTCCAAACCGTATGTGGATAAATGTGGAGC 3293
471 laAlaProProAlaProAspSerThrTrpValGlnIleTyrSerGlyAsn 487
3294 TTCAAAACACTATATTCATGTT.....GAAGTATTCATTCAGC 3334
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3335 ACATATTATCTCGGAGGAATTCCAATTCGAATCAGGAAAGATTTAAACAT 3384
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521 snGlnProLys.....AspLeuIleSerVal 529
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530 GlnGlnGlySerLeuGlyAsnPheSerAspLeuHisIleAspLeuCysSe 546
3467 ACCAAA..... 3472
546 rIleLysAspArgCysLeuProAsnTyrCysGluHisGlyGlySerCysS 563
3473 .....AAGTCT 3479
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741 AspLysAspGluTrpThrAsnAspThrGlyPheLeuSerPheLysAspHI 757
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4088 CCAAGGAGCGTGAAGGTGGCAAGATGCTGTCCACCACTTCCCAAGAC 4137
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798 rGluAlaSerTyr.....LeuHisPhe.....ProThrPheHis. 809
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4138 CCAGGCCAATCATGGAGCCCTCCAGTTTGGGACATTCACCACGACACT 4187
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810 .....AlaGluPheSer 813
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4188 TGCTATTCAAGTTCCTCAGGAGCTGCTGAACCCAGGTACACAGTTGCT 4237
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914 GlnLeuPheValGlyClyThrSerSerArgGln..... 924
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      :::  :::  ||:::  :::
4754 .....ATCCGCCCAAGAAG 4767
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4829 GAGGCA.....GGAAA 4839
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4990 AGCTGGACAGATCCCTTCCACCTGCCAGCAGCTCAAGAGCCACTACACC 5039
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seq_name: /cgn2_6/ptodata/1/lna/PCTUS_COMB.seq:seq:PCT-US94-10261A-23
seq_documentation_block:
; Sequence 23, Application PC/TUS9410261A
; GENERAL INFORMATION:
; APPLICANT: Carter, William G.
; APPLICANT: Gil, Susanna A.
; APPLICANT: Ryan, Maureen C.
; TITLE OF INVENTION: Epiligrin, an Epithelial Ligand for
; TITLE OF INVENTION: Integrins
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Christensen, O'Connor, Johnson, and Kindness
; STREET: 1420 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101-8100
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/10261A
; FILING DATE: 02-SEP-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Shelton, Dennis K.
; REGISTRATION NUMBER: 26,997
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 682-8100
; TELEFAX: (206) 224-0779
```

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; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 5496 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; DESCRIPTION: Sequence of cDNA to 3Epa cDNA; see FIGURES 15A-15F
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 59..5200
PCT-US94-10261A-23

alignment_scores:
  Quality: 254.00      Length: 1324
  Ratio: 0.428         Gaps: 67
  Percent Similarity: 44.789      Percent Identity: 19.713

alignment_block:
US-09-770-643A-2 x PCT-US94-10261A-23
Align seg 1/1 to: PCT-US94-10261A-23 from: 1 to: 5496

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61 .....ArgValGlyThrG1 65
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65 y.GlyTrpSerProAlaAspSerAsnAlaGlnGlnTrpLeuGlnMetAsp 81
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2109 ATGGCTCAACCCC.....ATCCAGACAGAT 2134

82 LeuGlyAsnArgValGluIleThrAlaValAlaThrGlnGlyArgTyrG1 98
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2135 GTG...GAAGAATTAG.....GACACCTATGGGAGGACACA 2169

98 ySerSerAspTrpValThrSerTyrSerLeuMetPheSerAspThrGlyA 115
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115 rGAsn.....TrpLysGlnTrpLysGln 122
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123 GluAspSerIleTrpThrPheAlaGlyAsnMet.....AsnAlaAspSe 137
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137 rValValHisHisLysLeuLeuHisSerValArg...AlaArgPheValA 153
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2314 AATA.....CGAAGACTAATTACAGAGGCCAGAGATGCTGCCAGTAAGG 2357

153 rGheValProLeuGlnTrpAsnProSerGlyLysIleGlyMetArgVal 169
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|||||
2487 GTACTGAGAAATATGTTT..... 2503
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|||||
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seq\_name: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq:US-09-540-153-1  
seq\_documentation\_block:  
; Sequence 1, Application US/09540153  
; Patent No. 6270995  
; GENERAL INFORMATION:  
; APPLICANT: Goodman, Corey  
; APPLICANT: Kid, Thomas  
; APPLICANT: Brose, Katja  
; APPLICANT: Tessier-Lavigne, Marc  
; TITLE OF INVENTION: Modulating Robo: Ligand Interactions  
; FILE REFERENCE: B98-031-3  
; CURRENT APPLICATION NUMBER: US/09/540,153  
; PRIOR FILING DATE: 2000-03-31  
; PRIOR APPLICATION NUMBER: 09/191,647  
; PRIOR FILING DATE: 1998-11-13  
; PRIOR APPLICATION NUMBER: 60/081,057  
; PRIOR FILING DATE: 1998-04-07  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 4758  
; TYPE: DNA  
; ORGANISM: human

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; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(4575)
US-09-540-153-1

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**alignment\_scores:**

Quality:	253.00	Length:	875
Ratio:	0.631	Gaps:	50
Percent Similarity:	45.829	Percent Identity:	21.943

**alignment\_block:**

US-09-770-643A-2 x US-09-540-153-1

Align seq 1/1 to: US-09-540-153-1 from: 1 to: 4758

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1941	TACTCTCCATCTTTATCTACTCTAAACCTCTTGCGCAACTCTTTTAACT	1990
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3850 AGTAACGTGGCACTCTGCCACCGCCCCCTGGCAGAACGGAACAGCTT 3899

927 eLeuGlyCysIleArgSerLeuHisLeuAsnGlyGlnLysMetAspLeug 944  
||||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||

3900 CCACGGCTGCATCCGGAACCTTTACATCAACAGTGTAGCTGAGGACTTC. 3948

944 luGluargAlaLysValThrSerGlyValArgProGlyCys...Progly 959  
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3949 ..CAGAAGGTGCCGATCAAACAGGCATTTTTCCTGCTGTGACCCATGC 3996

960 HisCysSerSerTyrGlySerIleCysHisAsnGlyGlyLysCysValGI 976  
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3997 CAC.....AAGAAAGGTGTGTCGATGCGACATGCGCAGCCAGC 4034

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976 uLysHisAsnGlyTyrLeuCysAspCysThrAsnSerProTyrGluGlyp 993
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4035 CAGCCAGGCGAGGCTTACCTCGGAGTGCCAGGAAGGA...TGGATGGGC 4081
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993 roPheCysLysLysGluValSer 1000
4082 CCCTGTGTGACCAACGACCAAT 4104
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seq_name: /cgn2_6/ptodata/1/ina/5A_COMB.seq:US-08-644-271-31

seq_documentation_block:
; Sequence 31, Application US/08644271
; Patent No. 5814478
; GENERAL INFORMATION:
; APPLICANT: Valenzuela, et al.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS
; TITLE OF INVENTION: AND LIGANDS
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill Road
; CITY: Tarrytown
; STATE: NY
; COUNTRY: USA
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/644,271
; FILING DATE: 10-MAY-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 60/008,657
; FILING DATE: 15-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Cobert, Robert J
; REGISTRATION NUMBER: 36,108
; REFERENCE/DOCKET NUMBER: REG 195A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 914-345-7400
; TELEFAX: 914-345-7721
; TELEX:
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1479 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 1..1476
; OTHER INFORMATION:
; NAME/KEY: Human Agrin
; LOCATION: 1..1479
; OTHER INFORMATION:
; US-08-644-271-31

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alignment_scores:
  Quality: 235.50      Length: 496
  Ratio: 0.916        Gaps: 25
  Percent Similarity: 51.815  Percent Identity: 24.395

alignment_block:
  US-09-770-643A-2 x US-08-644-271-31 ..

Align seg 1/1 to: US-08-644-271-31 from: 1 to: 1479

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897 AGCGGGGACGTGGATACCTTGGCCTTCACGGCGCGACCTTGTCTGAGT 946  
1011 yMetPheGlnGluProTyrProValThrLysAsnIleSerLeuSerSer 1027  
947 ACCTC.....AACGCTGTGACCGAG.....AGCAAGCTGCCC 978  
1028 SerAlaIleTyrThrAspSerAlaProSerLysGluAsnIleAlaLeuSe 1044  
979 ATGAGATCCCCGTGCAGAAAGCACTGCAGACCAACCACTTTGAACTGAG 1028  
1044 rPheValThrThrGlnAlaProSerLeuLeuLeuPheIleAsnSerSers 1061  
1029 CCTGCGCACTGAGGCCACGACGAGGCGTGTGCTCTGGAGTGCAAGGCCA 1078  
1061 erGln.....AspPheValValValLeuLeuCysLysAsnGlySerLeu 1075  
1079 CGSAGGCGGCACAGCTATGTGGCACTGGCCATTGTG...GACGGGGCACCTG 1125  
1076 GlnValArgTyrHisLeuAsnLysGluGluThrHisValPheThrIleAs 1092  
1126 CAACTGAGCTACAACTGGGCTGCCAGCCCGGTGGTCTGCGTTCCACCGT 1175  
1092 pAlaAspAsnPheAlaAsnArgArgMetHisHisLeuLysIleAsnArgG 1109  
1176 GCCCGTCAAC.....ACCAACCGCTGGTTCGGGGCTCGGCACATAGG 1219  
1109 luGlyArgGluLeuThrIleGlnMetAspGlnGlnLeuArgLeuSerTyr 1125  
1220 AGCAGAGGGAAGGTTCCTTCGAGGTGGCAATGAGCGCCCTGTGACC... 1266  
1126 AsnPheSerPro.....GluValGluPheArgValIleArgSerLeuTh 1140  
1267 GGTCTCTCCCCGTGGGCGCCACGAGCTGGACACTGATGAGAGCCCTGTG 1316  
1140 rLeuGlyLysValThrGluAsnLeuGlyLeuAspSerGluValAlaLysA 1157  
1317 GCTTGGGGCCCTGCCGAG...CTGCCGTGGGCCCGACCACTGTGCCCAAG 1363  
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1364 CTTACGCGACAGCTTTGTGGCTGCTCTCGGGAGCTG 1401

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seq_documentation_block:
; Sequence 64, Application US/09188930A
; Patent No. 6150502
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James Greg
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; TITLE OF INVENTION: and Methods For Their Use
; FILE REFERENCE: 11000.1011c1
; CURRENT APPLICATION NUMBER: US/09/188,930A
; CURRENT FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 348
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 64
; LENGTH: 2481
; TYPE: DNA
; ORGANISM: Rat
US-09-188-930-64

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alignment\_scores:

Quality: 234.50 Length: 754  
 Ratio: 0.653 Gaps: 55  
 Percent Similarity: 47.613 Percent Identity: 23.740

## alignment\_block:

US-09-770-643A-2 x US-09-188-930-64 ..

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351 eTyrThrValGlyAsnValThrPheSerCysSerGluProGlnIleValp 368
| ||||| : : : : : ||| : : : : : ||| : : : : : ||| : : : : : |||
96 AAGCACCTTTCCACCAAGGCTTCAGC...AATCATGCCCAACTTCTCA 142
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368 roIleThrPheValAsnSerSerGlySerTyrIleuLeuLeuProGlyThr 384
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143 CCTTAATCTC.....AGTTACAAACCGTCTGAGATGTATC 177
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385 ProGlnIleAspGlyLeuSerValSerPheGlnPheArgThrTrpAsnLy 401
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178 CCTCCA.....CGGACCTTT..... 192
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401 saspGlyLeuLeuSerThrGluLeuSerGluGlySerGlyThrLeuL 418
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193 .GATGATTG.....AAATCTCTCGTT 214
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418 euLeuSerLeuGluGlyGlyIleLeuArgLeuValIleGlnLysMet... 433
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215 TACTGTCTCTACATGGAATGACATTTCTGCTGCTGCTGAAAGTGCCTTT 264
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434 .....ThrGluArgValAlaGluIleLeuThrGlySerAsn..... 445
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265 GTGACCTTTCAGCCTTGTCACACTTAGCAATTGGAGCCCAACCTCTTTA 314
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446 .....LeuAsnAspGlyLeuTrpPheHisSerValS 455
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315 CTGTGATTGTAACATGCACGTGGTTATCCGAC.....TGG..... 348
||||| : : : : : ||| : : : : : ||| : : : : : ||| : : : : : |||
455 erIleAsnAlaArg.ArgAsnArgIleThrLeuThrLeuAspGluAl 471
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349 .....GTGAATCGGGAATATAAGGAACCTGGAATTG.....CC 381
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471 aAlaProAlaProAspSerThrTrpValGlnIleTyrSer.GlyAsn 487
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382 CGCTGTGCGGTCGCGGAGAAATGGCAGATAAATTGTTACTCACAACCTC 431
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488 .....SerTyrTyrPheGly.GlyCysProAspAsnLeuThrAspSerG 502
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432 CTCCAAAATTTTACATGTCGAAGTCTCTGGATGTTACTATTCAAGCCA 481
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502 InCys.....LeuAsnProIleLysAlaPheGlnGlyCysMet 514
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482 AGTGTAAACCCCTGCTGTGTCAAATCCCATGTAAATAATGATGGCACCTG 528
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515 ArgLeuIlePheIleAspAsnGlnProLysAspLeu.....IleSerVa 529
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529 .....AACAAATGACCCGGTGGATTTTATCGATGCACCTG 563
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529 IclnGlnGlySerLeuLeuAsnPheSerAspLeuHisIleAspLeuCysS 546
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564 CCATATGTTTCAAGGGCCAGGACTGTGATGTCCCAATTCATGCCTGTA 613
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546 erIleLysAspArgCysLeuProAsnTyrCysGluHisGlyGlySerCys 562
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614 CA.....AGTAATCCCATGTAAACATGGAGGAACCTGC 645
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563 .....SerGlnSerTrpThrPheTyrCysAsnCysSe 574
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646 CATTTAAACCAAGGAGAAACATGG.....ATTGGTGTACTGTGC 689

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574 rAspThrSerTyrThrGlyAlaThrCysHisAsnSerIleTyrGluGlnS 591
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690 TGAT...GGGTTTGAAGGAGAAGACTGTGACATCAATATT.....GATG 730
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591 erCysGluValTyrArgHisGlnGlyAsnThrAlaGlyPhePheTyrIle 607
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739 GATAATGAT.....TGT..... 750
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751 .....GAAATAATTCT.....A 763
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641 hrArgValArgGlyAlaAsn.....ProGluLys 650
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764 CATCGGTTGATGGAATTACAACACTACACGTGCTTTGCCCCACCGGAA... 810
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651 ProTyrAlaMetAlaLeuAspTyrGlyGlySerMet.....GluGlnLe 665
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811 .....TACACAGCGCACTGTGTGAGGAAACT 839
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840 GGACTTCTGTGCACACAGACCTGAATCCTGCCAGCATGAC..... 879
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880 .....TCCAATGTCATCTGACGCCAAAGGGATTCAAGTGTGAC 918
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1103 GTGATA...ATTGTGATTGAGAATGGAGCCCATGTATCATCAGGGTG 1149
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1190 .....AGAAGTGTGAGAAATGGTCAGTGTGTCAATTTGTGTA 1228
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1229 ACAAGAGTCTCTATCTTCAGATTCTTCAGCCCAAGGTTTCAGCCTCAGACA 1278
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1279 AACATCACACTTCAGATTGCCACAGATGAACAGCGGCATCTCTTTGTA 1328
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831 uAsnLeuGlyIleLysAspPheIleArgLeuGluIleSerSerProSerG 848

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865 GlnSerProSerLeuLeuAsnAspAsnGlnTrpHisTyrValArgAlaG1 881
1417 TACAGTGTGGAGACAAATCAATGATGAAACTTCCACATTGTAGAGCTACT 1466
881 uArgAsnLeuLysGluThrSerLeuGlnValAsp...AsnLeuProArgS 897
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923 gGln...LysGlyPheLeuGlyCysIleArgSerL 934
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934 euHisLeuAsnGlyGlnLysMetAspLeuGluGluArgAlaLysValThr 950
1661 TTTACATTAAACAGTGAATCGACAGGATTC...CGGAAAGTGCCTATGCAA 1707
951 SerGlyValArgProGlyCys...ProGlyHisCysSerSerTyrGlySe 966
1708 ACCGAATCTCGCTGGCTGTGAACCATGCCAC...AAGAA 1745
966 rIleCysHisAsnGlyGlyLysCysValGluLysHisAsnGlyTyrLeuC 983
1746 AGTGTGTCCCATGCCACATGCCAGCCAGCAGCAATCAGGCTTCACCT 1795
983 ysAspCysThrAsnSerProTyrGluGlyProPheCysLysLysGluVal 999
1796 GTGAATGTAGGAGGG...TGGATGGGGCCCTCTGTGACACGAGAAC 1842
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seq_name: /cgn2_6/ptodata/1/ina/5A_COMB.seq:US-08-111-939-1
seq_documentation_block:
; Sequence 1, Application US/08111939
; Patent No. 5460951
; GENERAL INFORMATION:
; APPLICANT: Kawai, Shinji
; APPLICANT: Takeshita, Sunao
; APPLICANT: Okazaki, Makoto
; APPLICANT: Amann, Egon
; TITLE OF INVENTION: Bone-Related Carboxypeptidase-Like
; NUMBER OF INVENTION: Protein and Process for its Production
; CORRESPONDENCE ADDRESS: 27
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/111,939
; FILING DATE: 26-AUG-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 324033/92
; FILING DATE: 03-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 230029/92
; FILING DATE: 28-AUG-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Forman, David S.
; REGISTRATION NUMBER: 33,694
; REFERENCE/DOCKET NUMBER: 02481.1321-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4000
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3728 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; ORIGINAL SOURCE:
; ORGANISM: Mus musculus
; STRAIN: osteoblastic cell line MC3T3E1
; FEATURE:
; NAME/KEY: CDS
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; US-08-111-939-1

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1337 ATGGTGTGCTGAGGACGAGTCGCAGACCCAGTCGATCGAGTGACACCC 1386
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1437 ATCCATGACGACTCGTGACTACTCTTGTGGGCTTCACAAATGACAG 1486
114 yArgAsnTrpLysGlnTrpLysGlnGluAspSerIleTrpPheAlaG 131
1487 CCAGACCTGGGTGATGTACACCAATGGCTACGAGGAATGACCTTCTATG 1536
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1537 GAAATGTGGACAAGGACACACCTGTGCTGAGCGAGCTCCCTGAGCCAGTT 1586
148 ArgAlaArgPheValArgPheValProLeuGluTrpAsnProSerGlyLy 164
1587 GTGGCCCGTTTCATCCGCATCTATCCACTCACCTGGAAC.....GGTAG 1630
164 sIleGlyMetArgValGluValTyrGlyCys.....S 175
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650 .....LysProTyrAlaMetAlaLeuAspTyrGlyGlySerMetGluGlnL 665  
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 3231 TTGAGGCC...CTGGGAAGTTTACCAC.....TAC 3259  
 682 HisCysArg 684  
 3260 CACTGCAGG 3268

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seq\_documentation\_block:  
 : Sequence 1, Application US/08706216  
 : Patent No. 6140098  
 : GENERAL INFORMATION:  
 : APPLICANT: Balasubramanian, Sri Ram  
 : APPLICANT: Ford, John  
 : APPLICANT: Gorman, Daniel M.  
 : APPLICANT: Zurawski, Gerard  
 : TITLE OF INVENTION: MAMMALIAN PROTEASES; RELATED REAGENTS  
 : NUMBER OF SEQUENCES: 6  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESSEE: DNAX Research Institute  
 : STREET: 901 California Avenue  
 : CITY: Palo Alto  
 : STATE: California  
 : COUNTRY: USA  
 : ZIP: 94304-1104  
 : COMPUTER READABLE FORM:  
 : MEDIUM TYPE: Floppy disk  
 : COMPUTER: IBM PC compatible  
 : OPERATING SYSTEM: PC-DOS/MS-DOS  
 : SOFTWARE: Patentin Release #1.0, Version #1.30  
 : CURRENT APPLICATION DATA:  
 : APPLICATION NUMBER: US/08/706.216  
 : FILING DATE: 30-AUG-1996  
 : CLASSIFICATION: 435  
 : ATTORNEY/AGENT INFORMATION:  
 : NAME: Ching, Edwin P.  
 : REGISTRATION NUMBER: 34,090  
 : REFERENCE/DOCKET NUMBER: DX0613  
 : TELECOMMUNICATION INFORMATION:  
 : TELEPHONE: 415-852-9196  
 : TELEFAX: 415-496-1200  
 : INFORMATION FOR SEQ ID NO: 1:  
 : SEQUENCE CHARACTERISTICS:  
 : LENGTH: 2719 base pairs  
 : TYPE: nucleic acid  
 : STRANDEDNESS: single  
 : TOPOLOGY: linear  
 : FEATURE:  
 : NAME/KEY: CDS  
 : LOCATION: 337..2541  
 : US-08-706-216-1

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 Percent Similarity: 44.808 Percent Identity: 20.626

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; Sequence 4, Application US/08746111  
; Patent No. 6066778  
; GENERAL INFORMATION:  
; APPLICANT: Ginsburg, David  
; APPLICANT: Cui, Jisong  
; TITLE OF INVENTION: Compositions And Methods For Screening  
; TITLE OF INVENTION: Compounds For Anticoagulant Activity  
; NUMBER OF SEQUENCES: 54  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Medlen & Carroll, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: United States of America  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/746,111  
; FILING DATE: 06-NOV-1996  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ingolia, Diane E.  
; REGISTRATION NUMBER: 40,027  
; REFERENCE/DOCKET NUMBER: UM-02536  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 6585 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "DNA"  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 6..6554  
; US-08-746-111-4  
alignment\_scores:  
Quality: 206.00 Length: 125

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Ratio: 2.424      Gaps: 3
Percent Similarity: 68.000      Percent Identity: 36.800

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seq_documentation_block:
: Sequence 11, Application US/08936135
: Patent No. 6054293
: GENERAL INFORMATION:
: APPLICANT: Tessier-Lavigne, Marc
: APPLICANT: He, Zhigang
: APPLICANT: Chen, Hang
: TITLE OF INVENTION: Semaphorin Receptors
: NUMBER OF SEQUENCES: 26
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
: STREET: 75 DENISE DRIVE
: CITY: HILLSBOROUGH
: STATE: CALIFORNIA
: COUNTRY: USA
: ZIP: 94010
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/936,135
: FILING DATE:
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: OSMAN, RICHARD A
: REGISTRATION NUMBER: 36,627
: REFERENCE/DOCKET NUMBER: UC97-288-2
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (650) 343-4341

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; Sequence 1, Application US/07607538C
; Patent No. 5455031
; GENERAL INFORMATION:
; APPLICANT: Ceriani Dr., Roberto L.
; APPLICANT: Peterson Dr., Jerry A.
; APPLICANT: Larocca, David J.
; TITLE OF INVENTION: POLYPEPTIDE WITH 46
; TITLE OF INVENTION: DIFFERENTIATION ANTIGEN BINDING SPECIFICITY AND CLOTTING
; TITLE OF INVENTION: FACTORS V AND VIII LIGHT-CHAIN HOMOLOGIES,
; TITLE OF INVENTION: FUSION PROTEIN, POLYNUCLEOTIDE AND POLYRIBO-
; TITLE OF INVENTION: NUCLEOTIDE ENCODING THE POLYPEPTIDE, ANTI-
; TITLE OF INVENTION: POLYPEPTIDE ANTIBODIES, KITS AND METHODS OF
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:

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    |||: |||: |||: |||: |||: |||: |||: |||: |||: |||: |||:
42  aPheSerSerSerAspLeuThr...GlyThrHis..... 53
    :|||:||||| ||| ||| ||| |||
231  CACGGCCTCCAGCAGCATACAGACAGCTGGGGCTGCATCTCTTCAGCTGGA 280
    |||: |||: |||: |||: |||: |||: |||: |||: |||: |||: |||:
54  ....SerProAlaGlnLeuAsnTrpArgValGlyThrGlyGlyTrpSer 68
    ||| |||: |||: |||: |||: |||: |||: |||: |||: |||: |||: |||:
281  ACCCTCTATGCAAGGCTGGCAAGCAGGGCACTTCACGCCCTGGTGT 330
    |||: |||: |||: |||: |||: |||: |||: |||: |||: |||: |||:
69  ProAlaAspSerAsnAlaGlnGlnTrpLeuGlnMetAspLeuGlyAsnAr 85
    :|||: |||: |||: |||: |||: |||: |||: |||: |||: |||: |||:
331  GCGGGAGCTACGGTAACGATCAGCTGGCTGCAGGTGGAGCTGGGCTCCTC 380
    |||: |||: |||: |||: |||: |||: |||: |||: |||: |||: |||:
85  gValGluIleThrAlaValAlaThrGlnGly.....ArgTyrGlySers 100
    |||: |||: |||: |||: |||: |||: |||: |||: |||: |||: |||:
381  GAAGGAGGTGACAGGCATCATCACCCAGGGGGCCGTAACCTTGGTCTCTG 430
    |||: |||: |||: |||: |||: |||: |||: |||: |||: |||: |||:
100  eAspTrpValThrSerTyrSerLeuMetPheSerAspThrGlyArgAsn 116
    |||: |||: |||: |||: |||: |||: |||: |||: |||: |||: |||:
431  TCCAGTTTGTGGCATCTTACAAAGTGTGCCTACAGTAATGACAGCTCGCAAC 480
    |||: |||: |||: |||: |||: |||: |||: |||: |||: |||: |||:
117  TrpLysGlnTyrLys.....GlnGluAspSerIleTrpThrPheAlaGln 131
    ||| :|||: |||: |||: |||: |||: |||: |||: |||: |||: |||:
481  TGGACTCAGTACCAGGACCCCGAGCTGGCAGCAGTACAGTCTTCCCTGG 530
    ||| :|||: |||: |||: |||: |||: |||: |||: |||: |||: |||:
131  yAsnMetAsnAlaAspSerValValHisHisLysLeuLeuHisSer.... 146
    ||| |||: |||: |||: |||: |||: |||: |||: |||: |||: |||: |||:

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